

Coordinator-General's Condition	Project Outcome	Compliance
Appendix 1. Stated Conditions		
General Conditions		
G1 – Dredging limitations		
a) Dredging is limited to sand extraction for the purposes of new runway and taxiway construction at the Sunshine Coast Airport.	Dredging was limited to sand extraction for the purposes of new runway and taxiway construction at the Sunshine Coast Airport.	Compliant
b) Dredging may only be undertaken using a trailing suction hopper dredge.	Trailing suction hopper dredge, The Nile River, was used.	Compliant
c) No more than 1.1 million cubic metres of dredge material is to be removed from the dredging area .	Amended EA to increase the volume to 1.65 million cubic metres approved on 26 June 2018. Only 1.3 million cubic metres was removed from the nominated dredging area.	Compliant with Amended EA
d) Dredging may only occur in the Spitfire Realignment Channel described in the EIS. Coordinates to be provided.	Dredging only occurred in the footprint identified in the EIS. Coordinates provided and Tidal Works Permit approved.	Compliant
e) Dredge spoil must be placed in the dredge spoil containment area as identified in Schedule 1.	An amendment to EA BRID 0035 to reduce the area and confine it to the north-western end of the runway was approved on 26 June 2018.	Compliant with Amended EA
f) Dredge spoil must be transported to the dredge spoil containment area as identified in Schedule 1.	The dredge spoil delivery pipeline was contained within the amended pipeline corridor approved in the amendment to EA BRID 0035 on 26 June 2018.	Compliant
G2 - All reasonable and practicable measures must be taken to minimise the likelihood of environmental harm being caused.	Contractor prepared a construction Environmental Management Plan which was accepted by DES.	Compliant
G3 – Any breach of this EA must be reported to the administering authority as soon as practicable, or at most within 24 hours	All breaches (minor) were reported within the specified timeframe.	Compliant
G4 – Other than as permitted by this EA, the release of a contaminant into the environment must not occur.	DES approval obtained before surface water with low level PFAS concentration below the level already existing in the Maroochy River was released. No other releases were made.	Compliant and approved by DES
G5 – Environmental monitoring results must be kept until surrender of this EA.	All monitoring results have been stored in Council's record system. They are also available in the Environmental Site Assessment reports.	Compliant
G6 – An appropriately qualified person must monitor, record and interpret all parameters that are required to be monitored	Consultants provided AQP's and SQP's for all monitoring and recording of groundwater and ponded surface water and for all monitoring of surface water in drainage systems.	Compliant
G7 – All analyses required under this EA must be carried out by a laboratory that has NATA certification	Only NATA certified laboratories operated by Eurofins and ALS Environmental were used.	Compliant

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<p>G8 – When required by the administering authority, monitoring must be undertaken in the manner prescribed by the administering authority, to investigate a complaint of environmental nuisance or environmental harm arising from the activity results must be provided.</p>	<p>The only complaints received were associated with dust levels in the airside tenancies. These were investigated and monitoring equipment was installed in accordance with the DES requirements, showing evidence that dust levels were within the acceptable limits under the DES EPP Air Policy.</p>	<p>Compliant</p>
<p>G9 – The activity must be undertaken in accordance with written procedures that:</p> <ol style="list-style-type: none"> identify potential risks to the environment from the activity during routine operations, closure and an emergency; establish and maintain control measures that minimise the potential for environmental harm; ensure plant, equipment and measures are maintained in a proper and effective condition; ensure plant, equipment and measures are operated in a proper and effective manner; ensure that staff are trained and aware of their obligations under the Environmental Protection Act 1994; and ensure that reviews of environmental performance are undertaken at least annually. 	<p>The Contractor was required to prepare, submit and have approved Activity Work Method Statements which provided written procedures for all activities where any of the matters identified were likely to be encountered. All written procedures:</p> <ol style="list-style-type: none"> identified potential risks to the environment from the activity during routine operations, closure and an emergency; established and maintained control measures that minimise the potential for environmental harm; ensured plant, equipment and measures are maintained in a proper and effective condition; ensured plant, equipment and measures are operated in a proper and effective manner; ensured that staff are trained and aware of their obligations under the Environmental Protection Act 1994; and ensured that reviews of environmental performance are undertaken at least annually. 	<p>Compliant</p>
<p>G10 – Prior to the commencement of works, submit RPEQ certified plans for the following list of structures to PALM.</p> <ul style="list-style-type: none"> Containment of dredge spoil Avoidance of environmental impacts from salinity Settlement and discharge of saline tail water Treatment of acid sulfate soils Ground water cut off walls Management of ground and surface water levels in drains within or adjacent to National Parks 	<p>All relevant structures were designed and certified by a Registered Professional Engineer Queensland (RPEQ) engaged by the Contractor.</p> <p>All plans submitted included the following structures to PALM:</p> <ul style="list-style-type: none"> Containment of dredge spoil Avoidance of environmental impacts from salinity Settlement and discharge of saline tail water Treatment of acid sulfate soils Ground water cut off walls Management of ground and surface water levels in drains within or adjacent to National Parks 	<p>Compliant</p>
<p>G11 – Submit “as constructed” drawings for the structures mentioned in G10 to PALM</p>	<p>“As constructed” drawings have been submitted for the structures identified in G10.</p>	<p>Compliant</p>
<p>G12 – Prior to commencement of the dredging activity, a site-based dredge management plan (DMP) for the</p>	<p>A fully compliant DMP was developed prior to the activity was and implemented to manage the activity.</p>	<p>Compliant</p>

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activity must be developed and implemented. A range of required items were included.		
G13 – A copy of the DMP must be submitted to the administering authority at least 20 days prior to the commencement of the activity .	A copy of the DMP was provided to the relevant administering authority within the specified timeframe.	Compliant
G14 – Provide the administering authority written notification of when dredging will commence.	Advice provided to DES in July 2018	Compliant
G15 – Dredging must not commence until provision has been made to lawfully place the dredge spoil .	Dredging did not commence until the regulated structure had been designed, certified and constructed in accordance with the EA BRID 0035.	Compliant
G16 - The DMP must not be implemented or amended in a way that contravenes or is inconsistent with any condition of this authority.	DMP was not amended after it had been approved.	Compliant
G17 - A hydrographic survey must be prepared by a registered surveyor of the dredge area and the immediate adjacent area likely to be affected by the dredging prior to commencement of works, and following the works being undertaken, and submitted to palm@ehp.qld.gov.au.	The hydrographic survey was undertaken by a registered oceanographic surveyor prior to the commencement, during and immediately following the completion of dredging operations.	Compliant
Air		
A1 - Odours or airborne contaminants which are noxious or offensive or otherwise unreasonably disruptive to public amenity or safety must not cause nuisance to any sensitive place or commercial place .	There were no reports of odours that were noxious or offensive. There were reports of dust emanating from the works, but investigations approved and reported to DES found that the air quality parameters were not exceeded. DES closed out the complaint with no action required.	Compliant
Noise		
N1 - Noise generated by the activity must not cause environmental nuisance to any sensitive place or commercial place .	There were three complaints from residents who lived adjacent to the southern section of the old runway about noise emanating from the works during the placement of the concrete aprons. The work had to be undertaken in the early hours of the morning (commencing at 4:00 am) to control the rate of drying of the concrete to prevent surface cracking through shrinkage if the surface dried too quickly. Initially some of the concrete delivery trucks were fitted with tonal reversing beepers. The Contractor took immediate action to remove those vehicles from the site and had the supplier replace the tonal beepers with squawkers which reduced the noise level.	Temporary minor non-compliance but action taken immediately to return to compliance.

N2 - Noise from the activity must not include substantial low frequency noise components and must not exceed the levels identified in Table 7.1—Noise limits when measured in accordance with the associated monitoring requirements.	There were no reports of substantial low frequency noise components.	Compliant
N3 - When required by the administering authority , noise monitoring must be undertaken in accordance with the associated monitoring requirements of Noise Limits Table 7.1, and the results notified within 14 days to the administering authority .	Noise monitoring was not required by the administering authority.	Compliant
Land		
L1 - Land that has been disturbed by placement of saline dredge spoil and disturbance of acid sulfate soils must be monitored and managed so as to comply with surface water and ground water quality limits in this environmental authority and avoid environmental harm.	The land that was disturbed by the placement of saline dredge spoil was bunded to prevent unplanned release of water. There were three minor instances of overtopping or spills which were reported to the administering authority as required. Remedial action was required on one occasion and the Soil Erosion and Sediment Control Plan was revised and amended to prevent future occurrences.	Minor non-compliance but immediate action taken to return to compliance.
L2 - Treatment and management of acid sulfate soils must comply with the current edition of the <i>Queensland Acid Sulfate Soil Technical Manual</i> and achieve the environmental outcomes for surface water and groundwater quality specified in this environmental authority.	The treatment and management of acid sulfate soils was designed and certified by a suitable qualified person. There was no release of water with low pH from the acid treatment pad. This is in compliance with the current edition of the <i>Queensland Acid Sulfate Soil Technical Manual</i> .	Compliant
L3 - Prior to any disturbance on site of potential and actual acid sulfate soils, carry out soil and environmental investigations in accordance with the following guidance, and keep records of results.	The site was subjected to a full investigation in accordance with the Queensland Acid sulfate soils technical manual guidelines. Results of testing were recorded.	Compliant
L4 - Based on the environmental investigations in L3, develop and implement a site-specific acid sulfate soil management plan (ASSMP) that achieves the management intent and environmental outcomes prescribed in condition L2.	A site specific ASSMP was developed and implemented.	Compliant
L5 - The ASSMP must address a range of nominated matters.	The ASSMP addressed all matters identified under this condition.	Compliant
L6 - An appropriately qualified person(s) must design and be responsible for the design and implementation of the ASSMP	An appropriately qualified person was engaged by the Contractor to design, certify and monitor the ASSMP.	Compliant

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<p>L7 - A copy of the ASSMP must be submitted to the administering authority at least 20 business days prior to the commencement of works and, if necessary, amended in accordance with any comments made by the administering authority.</p>	<p>A copy of the AASMP was submitted to the administering authority as required by this condition.</p>	<p>Compliant</p>
<p>L8 - Treatment areas for acid sulfate soils must be lined to minimise any seepage and be capable of accommodating rainfall from a 24 hour storm event with an average return interval (ARI) of 1 in 5 years plus sediment storage without release.</p>	<p>The ASS treatment pad was lined and the bunded area was sized to accommodate a 24 hour storm event with an ARI of 1 in 5 years after allowance for sediment storage.</p>	<p>Compliant</p>
<p>L9 - Land, excluding the runway and taxiway surfaces that have been disturbed for activities conducted under this environmental authority must be rehabilitated in a manner such that:</p> <ul style="list-style-type: none"> (a) suitable species of vegetation for the location are established and sustained forearthen surfaces; (b) potential for erosion is minimised; (c) the quality of water, including seepage, released from the site does not cause environmental harm; (d) potential for environmental nuisance caused by dust is minimised; and (e) the final landform is stable and protects public safety. 	<p>All land disturbed in conjunction with the activity conducted under the EA was rehabilitated with suitable species of vegetation in a manner that minimised the potential for erosion, that ensured that the quality of any water released or seeping from the site did not cause environmental harm, that minimised the potential for environmental harm from dust and that left a stable landform.</p>	<p>Compliant</p>
<p>Waste</p>		
<p>WS1 - All waste generated in carrying out the activity must be reused, recycled or removed to a facility that can lawfully accept the waste.</p>	<p>Waste was reused or recycled wherever possible including the use of concrete and asphalt waste in embankments within the works. Any waste removed from the site was sent to waste facilities that could accept the particular waste streams involved.</p>	<p>Compliant</p>
<p>Water</p>		

<p>WT1 - Dredging in the Spitfire Realignment Channel and unloading of dredge spoil at the handling site offshore of Marcoola Beach, must not cause:</p> <ul style="list-style-type: none"> (a) any visual discolouration of the surf zone at Marcoola Beach; (i) the Both percentile turbidity of the receiving waters at any point in the Moreton Bay Marine National Park Zone MNP 03, described in the Moreton Bay Marine Park Zoning Plan, to exceed 1 NTU; or (ii) the 80th percentile turbidity to exceed a value 10 percent greater than the background 80th percentile turbidity (NTU) value only when: <ul style="list-style-type: none"> • the waters within 50m of 27° 02.130' S 153° 16.770' E in the Spitfire Banks area of MNP 03 zone exceeds 1 NTU for reasons other than the dredging within the hour prior to the commencement of dredging; or • 80th percentile turbidity of waters within 50m of 27° 5.706' S, 153° 15.24' E to the south of the Spitfire Realignment Channel (the control site), as shown in Figure 4 - Dredge Plume Monitoring Sites, exceeds 1 NTU during dredging. (c) any release to waters of petroleum products, hydraulic fluids nor any other contaminants capable of causing environmental harm; and (d) any erosion or damage to the banks of waters, riparian vegetation growing thereon, lawfully authorised structures within any waters, nor cause any unauthorised interference to the flow of any watercourse. <p><i>Associated monitoring requirements:</i></p> <ul style="list-style-type: none"> • Visual monitoring of the extent of turbid plumes at the Marcoola beach surf zone must be 	<p>Dredging activities were monitored visually and by taking samples for testing at the nominated locations off Marcoola Beach and in Moreton Bay. The discharge off Marcoola Beach did not cause visual discolouration of the surf zone at Marcoola. The dredging activity did not result in recorded turbidity above allowed levels in Moreton Bay MNP.</p> <p>There was no evidence of the release of any petroleum products, hydraulic fluids or other contaminants capable of causing environmental harm.</p> <p>There was no erosion or damage to the banks of waters, riparian vegetation growing thereon, lawfully authorised structures within any waters, nor any unauthorised interference to the flow of any watercourse.</p>	<p>Compliant</p>
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<p>undertaken daily during unloading of dredge spoil.</p> <ul style="list-style-type: none"> • Monitoring of turbidity in MNP 03 zone must occur within 50 metres of 27°02.130' S153° 16.770' East all times. • Determination of the 80th percentile turbidity values shall be calculated from continuous monitoring data collected at least every 10 minutes at all times. • Continuous measurements for establishing background turbidity must be taken at least 1 hour prior to any dredging commencing. • Dredge vessel position must be continuously monitored and recorded at all times. 		
<p>WT2 - The only contaminants to be released to surface waters from the placement and management of dredge spoil in the dredge spoil containment area is settled dredge tail waters and saline seepage from the release points specified in Table 7.2—Settled Tail Water and Saline Seepage from Dredge Spoil Placement-Release Points, Sources and Receiving Waters, and depicted in Schedule 1 – Approved Plans, –Figure 7.4 Water release locations, attached to this environmental authority.</p>	<p>The only contaminants released to surface waters from the placement and management of dredge spoil in the dredge spoil containment area were settled dredge tail waters and saline seepage from the release points specified during the dredging activity.</p>	<p>Compliant</p>
<p>WT3 - The settled dredge tail waters and saline seepage released must be in compliance with Table 7.3—Surface Water Release Limits – Settled Dredge Tail Water and the associated monitoring requirement. In addition, the release must:</p> <ul style="list-style-type: none"> (a) not contain other contaminants that may cause environmental harm; (b) not contain any litter, slick or other evidence of petroleum hydrocarbons; (c) not cause deposits of metal flocculants in drains; and (d) be managed in rate and timing so as not to cause overtopping of drains receiving the release or breach surface water and groundwater limits in this environmental authority. 	<p>The settled dredge tail waters and saline seepage released were in compliance with Table 7.3—Surface Water Release Limits – Settled Dredge Tail Water in BRID 0035 and the associated monitoring requirements.</p>	<p>Compliant</p>

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<p>WT4 - Monitoring of contaminant release to waters must be undertaken in accordance with condition WT2 and WT3 and records of the results must be kept.</p>	<p>Monitoring of the dredge tail-water release was undertaken in accordance with condition WT2 and WT3 and records of the results were kept.</p>	<p>Compliant</p>
<p>WT5 - A surface water monitoring program (SWMP) must be designed and implemented by an appropriately qualified person(s), to monitor the background water quality and the effects of the activity on surface water and the environmental values of the Mount Coolum National Park, East Drain, protected areas under the <i>Nature Conservation Act 1992</i>, Maroola Drain and the Maroochy River.</p>	<p>A surface water monitoring program (SWMP) was designed and implemented by an appropriately qualified person. That AQP monitored the background water quality and the effects of the activity on surface water and the environmental values of the Mount Coolum National Park, East Drain, protected areas under the <i>Nature Conservation Act 1992</i>, Maroola Drain and the Maroochy River. Minor exceedances were measured and reported to DES. Investigations determined that the exceedances were evident in the background water sampling and were a result of seasonal variations and not caused by the activity.</p>	<p>Compliant</p>
<p>WT6 - The SWMP specified in WT5 must include monitoring outlined in Table 7.4 – Surface Water Monitoring and associated monitoring requirements and include determination of surface water quality for at least the following locations at the stated monitoring frequencies. The condition nominated various specific and general locations and testing frequencies.</p>	<p>All surface water monitoring was conducted at the locations specified and at the frequencies nominated.</p>	<p>Compliant</p>
<p>WT7 - Surface water must be managed to achieve the surface water quality limits in Table 7.5—Surface Water Quality Limits. Where limits are based on background condition, they must be derived from 12 months of background monitoring in accordance with the <i>Queensland Water Quality Guidelines (2009)</i> and Table 7.4—Surface Water Monitoring</p>	<p>All water quality limits are based on background condition. They were derived from 12 months of background monitoring during 2016 and 2017 in accordance with the <i>Queensland Water Quality Guidelines (2009)</i> and Table 7.4—Surface Water Monitoring.</p>	<p>Compliant</p>
<p>WT8 - A copy of the SWMP, specified in condition WT5, must be submitted to the administering authority at least 20 business days prior to the commencement of the activity and, if necessary, amended in accordance with any comments made by the administering authority.</p>	<p>A copy of the SWMP, specified in condition WT5, was submitted to the administering authority 20 business days prior to the commencement of the activity.</p>	<p>Compliant</p>
<p>WT9 - Tidal flap valve(s) must be installed on Maroola drain at the Finland Road crossing culvert and be operated to: (a) minimise salt water ingress upstream;</p>	<p>A tidal flap was installed in the Maroola Drain at the Finland Road crossing. The tidal flap operated successfully and allowed flood water conveyance and did not submerge mangrove roots upstream.</p>	<p>Compliant</p>

(b) allow any necessary flood water conveyance; and (c) not submerge mangrove roots upstream for extended duration so as to cause mangrove plant deaths		
WT10 - The base and sides of the dredge spoil containment area and polishing pond must be lined with a HPDE liner, excluding a small area in the dredge spoil containment area surcharge area and under the polishing pond, as shown in Schedule 1 – Approved Plans, Figure 7.5, attached to this environmental authority	The entire footprint of the dredge spoil containment area and the polishing pond was lined with an HDPE liner.	Compliant
WT11 - A saline seepage management system must be designed by an appropriately qualified person(s) and be designed, installed and maintained to: (a) collect saline seepage generated in the dredge spoil containment area; (b) convey the collected saline seepage out of the reclamation impoundment to the polishing pond for treatment and release in accordance with the water management conditions WT3 and WT7.	A saline seepage management system was designed by an appropriately qualified person and was installed, operated and maintained, as stipulated.	Compliant
WT12 - Control structures such as weirs must be installed and maintained on drains traversing the Mount Coolum National Park and discharging into deeper drains to prevent lowering of the water table in the Park and contaminant ingress into the Park. This includes structures shown in Schedule 1 – Approved Plans, Figure 7.6 attached to this environmental authority.	Weirs were designed and installed in the drains traversing the Mount Coolum National Park by a suitably qualified person as part of the D&C Contract.	Compliant
WT13 - Spillage of dredge spoil must not occur outside of the potential area of spillage shown in Schedule 1 – Approved Plans, Figure 7.7–EIS Chapter A5, Figure 5.4f.	There was no spillage of dredge spoil.	Compliant
Stormwater		
S1 - Prior to the commencement of any dredging or construction, develop and implement erosion and sediment controls in accordance with the <i>Best Practice Erosion and Sediment Control (BPESC) guidelines for Australia</i> (International Erosion Control Association) and maintain	Erosion and sediment controls were installed prior to the commencement of dredging in accordance with the <i>Best Practice Erosion and Sediment Control (BPESC) guidelines for Australia</i> (International Erosion Control Association). These sediment control	Compliant

sediment control devices to achieve best practice design objectives.	devices were maintained throughout the activity to achieve best practice design objectives.	
S2 - Storage areas for hazardous contaminants must be located above the 1% Annual Exceedance Probability flood level.	The only contaminants that were stored on the site was the groundwater and surface water removed from the works and stored in lined waterproof tanks with leak detection systems and protective bunding. These tanks and the surrounding bunding were located above the 1% AEP flood level.	Compliant
S3 - For the proposed works only use materials which are free from contaminants as defined under section 11 of the <i>Environmental Protection Act 1994</i> .	Only clean materials from the site or imported to the site were used for the works.	Compliant
S4 - The facilities for the activity must include a storage area for hazardous contaminants with secondary containment systems to prevent any release of contaminants from the system, or containers within the system, to land, groundwater, or surface waters	Any storage areas for the safe storage of hazardous contaminants were designed and installed in accordance with the requirements of this condition. They were also fitted with leak detection systems.	Compliant
Groundwater		
GW1 - An appropriately qualified person(s) must design a ground water monitoring program (GWMP) and supervise installation and implementation of a ground water monitoring system to establish background ground water quality, elevations and potential impacts of activities on the ground water system and ground water dependant ecosystems. The GWMP must include, but not be limited to, the installation and monitoring of sufficient bores surveyed to Australian height datum in locations to allow the protection of ground water quality and maintenance of groundwater elevation in areas listed in Table 7.6—Ground Water Protection Areas.	The ground water monitoring program (GWMP) was designed by an appropriately qualified person. The AQP supervised the installation and implementation of the ground water monitoring system which was used to establish background groundwater quality, elevations and potential impacts of activities on the groundwater system and groundwater dependant ecosystems. Sufficient bores were installed to operate the management system.	Compliant
GW2 - A copy of the GWMP must be submitted to the administering authority at least 20 business days prior to the commencement of the activity and, if necessary, amended in accordance with any comments made by the administering authority . The GWMP must include background ground water quality data and calculated ground water limits in accordance with conditions GW4 and GW5 of this approval.	A copy of the GWMP was submitted to the administering authority at least 20 business days prior to the commencement of the activity	Compliant

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<p>GW3 - The GWMP specified in GW1 must include installation of sufficient ground water monitoring bores, surveyed to Australian height datum, to monitor the uppermost aquifer and, for the runway reclamation area and polishing pond, potential leakage to lower aquifers through and via gaps in the reported coffee rock confining layer.</p>	<p>The GWMP included the installation of sufficient ground water monitoring bores, surveyed to Australian height datum, to monitor the uppermost aquifer and, for the runway reclamation area and polishing pond, potential leakage to lower aquifers through and via gaps in the reported coffee rock confining layer. No anomalies that could be attributed to the approved activity were detected.</p>	<p>Compliant</p>
<p>GW4 - The GWMP specified in GW1 must include, but not be limited to, the monitoring of the parameters as outlined in Table 7.7—Ground Water Monitoring Requirements and Associated Monitoring Requirements. The condition stated various indicators and monitoring frequencies.</p>	<p>The GWMP included monitoring of each of the parameters outlined in Table 7.7—Ground Water Monitoring Requirements and Associated Monitoring Requirements.</p>	<p>Compliant</p>
<p>GW5 - Ground water and saline seepage must be managed to achieve the ground water quality and elevation limits in Table 7.8—Ground Water Quality and Elevation Limits. Where limits are based on background condition, they must be derived in accordance with the <i>Queensland Water Quality Guidelines (2009)</i> and at least 12 months of monitoring data in accordance with Table 7.7—Ground Water Monitoring Requirements.</p>	<p>All groundwater quality limits were based on background condition. They were derived from 12 months of background monitoring during 2016 and 2017 in accordance with the <i>Queensland Water Quality Guidelines (2009)</i> and Table 7.4—Surface Water Monitoring Requirements. No saline seepage attributable to the approved activity were detected.</p>	<p>Compliant</p>
<p>GW6 - A permanent impermeable ground water cut off wall, extending from the ground surface down to the confining coffee rock layer, must be installed and maintained for the length of the northern perimeter drain between the drain and the property boundary to the north.</p>	<p>A permanent impermeable ground water cut off wall, extending from the ground surface down to the confining coffee rock layer or 2.8 metres where the coffee rock layer did not exist, was installed for the length nominated in the revised approval for the Amended EA approved on 26 June 2018.</p>	<p>Compliant</p>
<p>GW7 - Decommissioning of the bunding, HDPE lining system and seepage management system following cessation of dredge spoil placement is contingent on compliance with the following environmental outcomes: (a) compliance with ground water quality salinity limits (refer Groundwater Quality and Elevation Limits) in high conservation areas; and (b) compliance with surface water quality limits for salinity and electrical conductivity (refer Table 7.5 Surface Water Quality Limits) in non-tidal sections of airport drains affecting high conservation areas.</p>	<p>Decommissioning of the bunding, HDPE lining system and seepage management system following cessation of dredge spoil placement was undertaken following advice to the administering authority that the conditions associated with salinity limits had been satisfied.</p>	<p>Compliant</p>

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Regulated Structures		
<p>X1 - The consequence category of any structure must be assessed by a suitably qualified and experienced person in accordance with the <i>Manual for assessing consequence categories and hydraulic performance of structures</i> (ESR/2016/1933) at the following times:</p> <p>(a) prior to the design and construction of the structure, if it is not an existing structure; or</p> <p>(b) prior to any change in its purpose or the nature of its stored contents.</p>	This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.	Compliant
<p>X2 - A consequence assessment report and certification must be prepared for each structure assessed and the report may include a consequence assessment for more than one structure.</p>	This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.	Compliant
<p>X3 - Certification must be provided by the suitably qualified and experienced person who undertook the assessment, in the form set out in the <i>Manual for assessing consequence categories and hydraulic performance of structures</i> (ESR/2016/1933).</p>	This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.	Compliant
<p>X4 - All regulated structures must be designed by, and constructed under the supervision of, a suitably qualified and experienced person in accordance with the requirements of the <i>Manual for assessing consequence categories and hydraulic performance of structures</i> (ESR/2016/1933).</p>	This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.	Compliant
<p>X5 - Construction of a regulated structure is prohibited unless:</p> <p>(a) the holder has submitted a consequence category assessment report and certification to the administering authority; and</p> <p>(b) certification for the design, design plan and the associated operating procedures has been certified by a suitably qualified and experienced person in compliance with the relevant condition of this authority.</p>	This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.	Compliant
<p>X6 - Certification must be provided by the suitably qualified and experienced person who oversees the</p>	This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.	Compliant

<p>preparation of the design plan in the form set out in the <i>Manual for assessing consequence categories and hydraulic performance of structures</i> (ESR/2016/1933), and must be recorded in the Register of Regulated Structures.</p>		
<p>X7 - Regulated structures must:</p> <p>(a) be designed and constructed in accordance with the requirements of the <i>Manual for Assessing Consequences Categories and Hydraulic Performance of Structures</i> (ESR/2016/1933);</p> <p>(b) be designed and constructed with due consideration given to ensuring that the design integrity would not be compromised on account of:</p> <p>(i) floodwaters from entering the regulated dam from any watercourse or drainage line; and</p> <p>(ii) wall failure due to erosion by floodwaters arising from any watercourse or drainage line.</p> <p>(c) have the floor and sides of the dam designed and constructed to prevent or minimise the passage of the wetting front and any entrained contaminants through either the floor or sides of the dam during the operational life of the dam and for any period of decommissioning and rehabilitation of the dam.</p>	<p>This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.</p>	<p>Compliant</p>
<p>X8 - Certification by the suitably qualified and experienced person who supervises the construction must be submitted to the administering authority on the completion of construction of the regulated structure, and state that:</p> <p>(a) the 'as constructed' drawings and specifications meet the original intent of the design plan for that regulated structure</p> <p>(b) construction of the regulated structure is in accordance with the design plan.</p>	<p>This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.</p>	<p>Compliant</p>
<p>X9 - Operation of a regulated structure, except for an existing structure, is prohibited unless the holder has</p>	<p>This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.</p>	<p>Compliant</p>

<p>submitted to the administering authority in respect of regulated structure, all of the following:</p> <p>(a) one paper copy and one electronic copy of the design plan and certification of the 'design plan' in accordance with condition X6;</p> <p>(b) a set of 'as constructed' drawings and specifications;</p> <p>(c) certification of the 'as constructed drawings and specifications' in accordance with condition X8</p> <p>(d) where the regulated structure is to be managed as part of an integrated containment system for the purpose of sharing the DSA volume across the system, a copy of the certified system design plan;</p> <p>(e) the requirements of this authority relating to the construction of the regulated structure have been met;</p> <p>(f) the holder has entered the details required under this authority, into a Register of Regulated Structures; and</p> <p>(g) there is a current operational plan for the regulated structure</p>		
<p>X10 - Each regulated structure must be maintained and operated, for the duration of its operational life until decommissioned and rehabilitated, in compliance with the current operational plan and, if applicable, the current design plan and associated certified 'as constructed' drawings.</p>	<p>This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.</p>	<p>Compliant</p>
<p>X11 - A Register of Regulated Dams must be established and maintained by the holder for each regulated structure.</p>	<p>This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.</p>	<p>Compliant</p>
<p>X12 - The holder must provisionally enter the required information in the Register of Regulated Dams when a design plan for a regulated dam is submitted to the administering authority.</p>	<p>This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.</p>	<p>Compliant</p>
<p>X13 - The holder must make a final entry of the required information in the Register of Regulated Structures once compliance with condition (X9) has been achieved.</p>	<p>This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.</p>	<p>Compliant</p>

<p>X14 - The holder must ensure that the information contained in the Register of Regulated Dams is current and complete on any given day.</p>	<p>This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.</p>	<p>Compliant</p>
<p>X15 - All entries in the Register of Regulated Dams must be approved by the chief executive officer for the holder of this authority, or their delegate, as being accurate and correct.</p>	<p>This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.</p>	<p>Compliant</p>
<p>X16 - The holder must, at the same time as providing the annual return, supply to the administering authority a copy of the records contained in the Register of Regulated Structures, in the electronic format required by the administering authority.</p>	<p>This condition was included in the terms of the D&C Contract and was undertaken by suitably qualified and experienced person.</p>	<p>Compliant</p>
<p>X17 - Each regulated structure must be inspected each calendar year by a suitably qualified and experienced person.</p>	<p>The regulated structures were decommissioned within a calendar year of their construction. Consequently, annual inspections were not required.</p>	<p>Complaint</p>
<p>X18 - At each annual inspection, the condition and adequacy of all components of the regulated structure must be assessed and a suitably qualified and experienced person must prepare an annual inspection report containing details of the assessment and include recommended actions to ensure the integrity of the regulated structure or a positive statement that no recommendations are required.</p>	<p>The regulated structures were decommissioned within a calendar year of their construction. Consequently, annual inspections were not required.</p>	<p>Complaint</p>
<p>X19 - The suitably qualified and experienced person who prepared the annual inspection report must certify the report in accordance with the <i>Manual for Assessing Consequence Categories and Hydraulic Performance of Structures</i> (ESR/2016/1933).</p>	<p>The regulated structures were decommissioned within a calendar year of their construction. Consequently, annual inspections were not required.</p>	<p>Complaint</p>
<p>X20 - The holder must, within 20 business days of receipt of the annual inspection report, provide to the administering authority:</p> <p>(a) the recommendations section of the annual inspection report; and</p> <p>(b) if applicable, any actions being taken in response to those recommendations; and</p>	<p>The regulated structures were decommissioned within a calendar year of their construction. Consequently, annual inspections were not required.</p>	<p>Complaint</p>

<p>(c) if, following receipt of the recommendations and (if applicable) actions, the administering authority requests a full copy of the annual inspection report from the holder, provide this to the administering authority within 10 business days of receipt of the request.</p>		
<p>Appendix 2 – Imposed Conditions</p>		
<p>Schedule 1 - Flooding</p>		
<p>Condition 1. Certification of design plan and construction for airport infrastructure</p> <p>(a) To confirm that flood impacts of the Sunshine Coast Airport Expansion project do not create adverse consequences to personal safety, property damage or property values:</p> <p>(i) a suitably qualified and experienced person must certify the design plan for airport infrastructure. The certification must confirm that the design plan:</p> <p>(A) ensures flood impacts associated with the development are not likely to create adverse consequences (for personal safety, property value or property damage), consistent with impacts identified in Chapter B5 of the EIS</p> <p>(B) does not change the flood risk for adjacent areas beyond that identified in Chapter B5 of the EIS</p> <p>(C) ensures that the risk of any impacts as a result of the development, but external to the site, has a manageable consequence, as assessed across a broad range of event possibilities.</p> <p>(ii) the certified design plan must be provided to the entity with jurisdiction for this condition, prior to the construction of airport infrastructure</p> <p>(iii) the design plan must be accepted in writing by the entity with jurisdiction for this condition, prior to the construction of airport infrastructure.</p> <p>(b) Certification by a suitably qualified and experienced person must be submitted to the entity with jurisdiction</p>	<p>The flood impacts do not create adverse consequences to personal safety, property damage or property values.</p> <p>A suitably qualified and experienced person was engaged to assess the flood impacts of the finished design. That person has certified that the design:</p> <p>(A) ensures flood impacts associated with the development are not likely to create adverse consequences (for personal safety, property value or property damage), consistent with impacts identified in Chapter B5 of the EIS</p> <p>(B) does not change the flood risk for adjacent areas beyond that identified in Chapter B5 of the EIS</p> <p>(C) ensures that the risk of any impacts as a result of the development, but external to the site, has a manageable consequence, as assessed across a broad range of event possibilities.</p> <p>The certified design plan was provided to Sunshine Coast Council as the entity with jurisdiction for this condition prior to construction. The design plan has been accepted in writing by Sunshine Coast Council.</p> <p>Certification by a suitably qualified and experienced person has been submitted to the Sunshine Coast Council as the entity with jurisdiction for this condition following completion of construction of the airport infrastructure and confirm that the 'as constructed' drawings and specifications are generally in accordance with certification provided in condition 1 (a) (i), condition 1 (a) (ii).</p> <p>Final certification of the 'as constructed' drawings and specifications was accepted in writing by the Sunshine Coast Council as the entity</p>	<p>Compliant</p>

<p>for this condition on completion of construction of the airport infrastructure and confirm that the 'as constructed' drawings and specifications are generally in accordance with certification provided in condition 1 (a) (i), condition 1 (a) (ii).</p> <p>(c) Final certification of the 'as constructed' drawings and specifications must be accepted in writing by the entity with jurisdiction for this condition, prior to commencement of airport infrastructure operations.</p> <p>(d) The proponent must confirm in writing to the Office of the Coordinator-General, that the certification specified under condition 1 (b) has been accepted by the entity with jurisdiction for this condition, prior to the commencement of airport infrastructure operations.</p>	<p>with jurisdiction for this condition, prior to commencement of airport infrastructure operations.</p> <p>The proponent has confirmed in writing to the Office of the Coordinator-General, that the certification specified under condition 1 (b) was accepted by the Sunshine Coast Council as the entity with jurisdiction for this condition, prior to the commencement of airport infrastructure operations.</p>	
Schedule 2 – Environmental Offsets		
<p>Condition 1. Environmental offset requirements for the Sunshine Coast Airport Expansion Project</p> <p>(a) Significant residual impacts on prescribed environmental matters as a result of the Sunshine Coast Airport Expansion Project are not authorised unless:</p> <p>(i) the proponent (in consultation with the administering authority) prepares a notice of election consistent with the 'Sunshine Coast Airport Expansion Project – Biodiversity Offset Strategy' dated 3 September 2015 in 'Appendix B of the Additional Information to the Environmental Impact Statement to address significant residual impacts on the prescribed environmental matters listed in Table 1.1.</p> <p>(ii) The notice of election must address the significant residual impact for <i>Pezoporus wallicus wallicus</i> including 6.01ha that was not identified in the 3 September 2015 'Biodiversity Offset Strategy' dated 3 September 2015</p> <p>(iii) the notice of election must be prepared in accordance with Division 2 (s18(2-5) and s19) of the <i>Environmental Offsets Act 2014</i> (EO Act) and given</p>	<p>These matters were included in the Environmental Authority BRID00035.</p> <p>Sunshine Coast Council prepared and submitted a notice of election consistent with the 'Sunshine Coast Airport Expansion Project – Biodiversity Offset Strategy' dated 3 September 2015 in 'Appendix B of the Additional Information to the Environmental Impact Statement to address significant residual impacts on the prescribed environmental matters listed in Table 1.1 of the Coordinator General's Evaluation Report (CGER).</p> <p>The notice of election was prepared in accordance with Division 2 (s18(2-5) and s19) of the <i>Environmental Offsets Act 2014</i> (EO Act) and given to the entity with jurisdiction for this condition in a form approved under s92 of the EO Act, no less than 90 days prior to the commencement of any disturbance that would result in a significant residual impact on a prescribed environmental matter for which an environmental offset is required and addressed the significant residual impact for the Eastern Ground Parrot as required.</p> <p>The notice of election was accepted by the Department of Environment and Science as the entity with jurisdiction for this condition.</p>	<p>Compliant</p>

<p>to the entity with jurisdiction for this condition in a form approved under s92 of the EO Act, no less than 90 days prior to the commencement of any disturbance that will result in a significant residual impact on a prescribed environmental matter for which an environmental offset is required</p> <p>(b) Significant residual impacts to prescribed environmental matters are authorised to the maximum extent shown in Table 1.1.</p> <p>(c) An environmental offset must be provided for the maximum extent for each of the prescribed environmental matters identified in Table 1.1.</p> <p>(d) The notice of election must be accepted in writing by the entity with jurisdiction for this condition.</p> <p>(e) The proponent must confirm in writing to the Office of the Coordinator-General that the notice of election has been accepted by the entity with jurisdiction for this condition.</p> <p>Table 1.1 Authorised significant residual impacts to prescribed environmental matters</p> <table border="1"> <thead> <tr> <th>Prescribed environmental matter</th> <th>Maximum extent of impact (ha)</th> </tr> </thead> <tbody> <tr> <td>Habitat for the animal that is vulnerable— wallum froglet (<i>Crinia tinnula</i>)</td> <td>60.63</td> </tr> <tr> <td>Habitat for the animal that is vulnerable— wallum rocketfrog (<i>Litoria freycineti</i>)</td> <td>21.85</td> </tr> <tr> <td>Habitat for the animal that is vulnerable— ground parrot (<i>Pezoporus wallicus wallicus</i>)</td> <td>7.88</td> </tr> </tbody> </table>	Prescribed environmental matter	Maximum extent of impact (ha)	Habitat for the animal that is vulnerable— wallum froglet (<i>Crinia tinnula</i>)	60.63	Habitat for the animal that is vulnerable— wallum rocketfrog (<i>Litoria freycineti</i>)	21.85	Habitat for the animal that is vulnerable— ground parrot (<i>Pezoporus wallicus wallicus</i>)	7.88	<p>No significant residual impacts to prescribed environmental matters exceeded the maximum extent shown in Table 1.1 in the CGER. Environmental offsets have been detailed in the Offset Delivery Plan and referenced in the Agreed Delivery Agreement. They are provided for the full maximum extent for each of the prescribed environmental matters identified in Table 1.1 in the CGER.</p> <p>The Office of the Coordinator-General has been advised that the notice of election has been accepted by the entity with jurisdiction for this condition.</p>	
Prescribed environmental matter	Maximum extent of impact (ha)									
Habitat for the animal that is vulnerable— wallum froglet (<i>Crinia tinnula</i>)	60.63									
Habitat for the animal that is vulnerable— wallum rocketfrog (<i>Litoria freycineti</i>)	21.85									
Habitat for the animal that is vulnerable— ground parrot (<i>Pezoporus wallicus wallicus</i>)	7.88									
Appendix 3 – Coordinator-General’s Recommendations										
Schedule 1										

Part A – Nature Conservation Act																
Recommendation 1. Pre- clearance surveys (a) Prior to clearing, pre-clearance surveys must be undertaken in the impact area by a suitably qualified person to identify the presence of any protected animals or plants (b) If a protected animal or plant is encountered during the surveys, all reasonable steps must be undertaken to avoid impacts on these animals and plants.			This condition was included in the terms of the D&C Contract and was undertaken by the D&C Contractor. Pre-clearance surveys were undertaken by suitably qualified persons. No protected species were identified in the clearance areas on site. Spotter catchers were engaged whenever clearing works were undertaken.	Compliant												
Recommendation 2. Maximum disturbance limits (a) The maximum extent of the impact must not exceed the area specified for the prescribed environmental matters in Table 1.2. Table 1.2 Authorised maximum disturbance limits for the prescribed environmental matters <table border="1" data-bbox="181 686 918 1181"> <thead> <tr> <th>Prescribed environmental matter</th> <th>Maximum extent of impact (ha)</th> </tr> </thead> <tbody> <tr> <td>Habitat for the vulnerable–wallum sedge frog (<i>Litoria olongburensis</i>)</td> <td>1.67</td> </tr> <tr> <td>Habitat for the vulnerable–wallum froglet (<i>Crinia tinnula</i>)</td> <td>60.63</td> </tr> <tr> <td>Habitat for the vulnerable–wallum rocketfrog (<i>Litoria freycineti</i>)</td> <td>21.85</td> </tr> <tr> <td>Habitat for the vulnerable–ground parrot (<i>Pezoporus wallicus wallicus</i>)</td> <td>7.88</td> </tr> <tr> <td>Habitat for the endangered–Mount Emu she-oak (<i>Allocasuarina emuina</i>)</td> <td>4.41</td> </tr> </tbody> </table>			Prescribed environmental matter	Maximum extent of impact (ha)	Habitat for the vulnerable–wallum sedge frog (<i>Litoria olongburensis</i>)	1.67	Habitat for the vulnerable–wallum froglet (<i>Crinia tinnula</i>)	60.63	Habitat for the vulnerable–wallum rocketfrog (<i>Litoria freycineti</i>)	21.85	Habitat for the vulnerable–ground parrot (<i>Pezoporus wallicus wallicus</i>)	7.88	Habitat for the endangered–Mount Emu she-oak (<i>Allocasuarina emuina</i>)	4.41	This condition was subsequently included in the Environmental Authority BRID00035. The extents of disturbance were as specified. In fact the disturbance areas were reduced in the <i>Allocasuarina emuina</i> population area impact and in the Vegetation Management Area to the north of the Northern Perimeter Drain.	Compliant
Prescribed environmental matter	Maximum extent of impact (ha)															
Habitat for the vulnerable–wallum sedge frog (<i>Litoria olongburensis</i>)	1.67															
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Habitat for the endangered–Mount Emu she-oak (<i>Allocasuarina emuina</i>)	4.41															
Recommendation 3. Rehabilitation (a) The area (2.52ha) of essential habitat wallum sedgefrog temporarily impacted during pipeline construction at the northern tip of the existing north-south runway must be rehabilitated following construction.			Only a small area of approx. 1 ha of essential <i>Litoria olongburensis</i> habitat at the northern end of the runway was impacted. This has subsequently been re-established with naturally occurring native vegetation and rehabilitated.	Compliant												

<p>Recommendation 4. Turtle nesting</p> <p>(a) Dredge pipeline works on Marcoola Beach must be avoided during the loggerhead and green turtle nesting season (November to March)</p> <p>(b) Prior to construction and operation of the pipeline on Marcoola Beach, surveys must be undertaken for nesting turtles and turtle hatchlings</p> <p>(c) If any nesting turtles and/or hatchlings are identified during surveys, undertake management protocols to avoid and/or minimise disturbance.</p>	<p>All dredge pipeline works on Marcoola Beach were completed between 1 April 2018 and 31 October 2018.</p> <p>Surveys are conducted regularly from the start of the nesting season and these were used to identify any nests within the general area of the project. No nests were located within the pipeline corridor or assembly areas.</p>	<p>Compliant</p>
<p>Recommendation 5. Marine mega-fauna interaction with dredge vessel</p> <p>(a) If during dredging in the sand extraction area, cetaceans, dugongs and/or turtles (marine mega-fauna) are observed, within the 100 metres (the observation distance) of the dredging activity, dredging must stop and not recommence until the marine mega-fauna are observed to travel beyond the observation distance or a 30 minute period has passed since any marine mega-fauna was last seen by an appropriately qualified person within the observation distance of the dredging work site.</p>	<p>No marine mega-fauna were observed within 100 metres of the dredging activity by an appropriately qualified person tasked with monitoring such activity.</p>	<p>Compliant</p>
<p>Recommendation 6. Vegetation slashing impacts on ground parrot</p> <p>(a) Avoid vegetation slashing activities within the WHMA during ground parrot nesting season</p> <p>(b) Undertake surveys for nesting birds or fledglings prior to slashing</p> <p>(c) If any nesting birds or fledglings are identified during surveys undertake management protocols to minimise disturbance.</p>	<p>No vegetation slashing was undertaken within the WHMA during the ground parrot breeding season.</p> <p>Surveys for nesting birds and fledglings have occurred on a three - monthly basis and prior to slashing. No nesting birds or fledglings were identified prior to slashing activities.</p> <p>Slashing was confined to periods well after the breeding season.</p>	<p>Compliant</p>
<p>Recommendation 7. Vegetation slashing impacts on acid frogs</p> <p>(a) Vegetation slashing activities must be restricted to areas within the WHMA that exceed a maximum height of 1.5 metres</p>	<p>Only areas where vegetation had grown to over 1.5 metres were slashed down to 0.5 metres in height within the WHMA. Slashing was only undertaken during the day in periods of dry weather and was staged over seasons as required.</p>	<p>Compliant</p>

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<p>(b) Vegetation slashing activities must be restricted to periods of dry weather and during the day</p> <p>(c) Vegetation must not be slashed lower than 0.5 metres</p> <p>(d) Vegetation slashing must be staged over seasons/years to allow for fauna to move into retained refugia.</p>		
Part B – Transport Infrastructure Act		
<p>Condition 1. Road impact assessment and road-use management plan</p> <p>In consultation with TMR, the proponent shall: Prepare a road impact assessment (RIA) for each stage of the project to describe impacts on the safety, efficiency and condition of state-controlled and local roads. The RIA must:</p> <p>(a) be developed in accordance with the GARID and include a completed TMR ‘Transport Generation proforma’-detailing project-related traffic and transport generation information or as otherwise agreed in writing with TMR</p> <p>(b) use TMR’s Pavement Impact Assessment tools or such other method or tools as agreed in writing with TMR</p> <p>(c) clearly indicate where any detailed estimates are not available and document the assumptions and methodologies that have been previously agreed in writing with TMR prior to RIA finalisation.</p> <p>(d) detail the final impact mitigation proposals, including contributions to and road works/maintenance and summarising key road-use management strategies. These include:</p> <p>(i) proposed upgrade of Finland Road/David Low Way intersection</p> <p>(ii) proposed road-use management strategies to deal with construction traffic</p> <p>(iii) location and mitigation measures for the proposed pipeline crossing of the Sunshine Motorway</p>	<p>Council engaged consultants who undertook a traffic study and Road Impact Assessment (RIA) to describe impacts on the safety, efficiency and condition of state -controlled and local roads for the construction and operating phases of the project. The RIA:</p> <p>(a) was developed in accordance with the GARID, and incorporated a Transport Generation proforma detailing project-related traffic and transport generation information</p> <p>(b) used TMR’s Pavement Impact Assessment tools</p> <p>(c) contained all detailed estimates required</p> <p>(d) identified that no contributions for improvements to or maintenance of state-controlled roads were necessary as the nominated thresholds were not reached. It also:</p> <p>i. included a proposed temporary upgrade of the Finland Road/David Low Way intersection</p> <p>ii. included proposed road-use management strategies to deal with construction traffic</p> <p>iii. included location and mitigation measures for the proposed pipeline crossing of the David Low (the pipeline did not cross the Sunshine Motorway)</p> <p>iv. was accepted progressively as Road Corridor Permits were issued by TMR prior to the commencement of significant construction works.</p> <p>A Road Corridor Permit was obtained for the under-bore, construction and operation of the dredge pipeline.</p> <p>A Traffic Management Plan and Traffic Control Plans were prepared and approved by TMR to control the David Low Way/Finland Road intersection prior to the commencement of significant construction works.</p>	<p>Compliant</p>

<p>(iv) be approved by TMR prior to the commencement of significant construction works</p>		
<p>Condition 2. Prepare a road-use management plan for each stage of the project. The road-use management must:</p> <p>(a) be developed in accordance with TMR’s Guide to Preparing a Road-use Management Plan, with a view to also optimising project logistics and minimising road-based trips on all state-controlled and local roads</p> <p>(b) include a table listing road-use management commitments and provide confirmation that all works and road-use management strategies have been designed and/or will be undertaken in accordance with all relevant TMR standards, manuals and practices</p> <p>(c) be approved in writing by TMR six months prior to the commencement of significant construction works, or as otherwise agreed between the proponent and TMR</p>	<p>A Road-use Management Plan was incorporated in the Traffic Study and included a list of road-use management commitments. All works and road-use management strategies were designed and undertaken in accordance with all relevant TMR standards, manuals and practices. The final approach utilising temporary manually controlled traffic signals was approved by TMR prior to the commencement of significant construction works.</p>	<p>Compliant</p>
<p>Condition 3. Prior to the commencement of significant project-related construction works, the proponent must:</p> <p>(a) upgrade any necessary intersection/accesses and undertake any other required works in State-controlled road reserves or make contributions towards such work as agreed, in accordance with the current TMR road planning and design policies, principles and manuals, unless otherwise agreed in writing with the TMR North Coast Regional Office</p> <p>(b) prior to undertaking any of these works and as required above, obtain the relevant licenses and permits, for example, under the Transport Infrastructure Act (Qld) 1994 for works and project facilities/infrastructure within the State-controlled road corridor. Any required plans, permits and TMPs must be approved by TMR prior to commencement of project construction traffic</p> <p>(c) undertake any required works and other impact mitigation strategies as required by the RIA and road-use management plan, in accordance with latest</p>	<p>No permanent upgrade works were identified as necessary by TMR. A temporary access to David Low Way north of the runway was constructed and later removed under a Road Network Permit.</p>	<p>Compliant</p>

<p>relevant TMR policies and standards at the time of approval or agreement, prior to commencement of significant construction works unless otherwise agree to in writing by TMR.</p> <p>(d) Implement any approved Traffic Management Plan for the work during construction and commissioning of the required works.</p>		
<p>Condition 4. Infrastructure agreements</p> <p>(a) To formalise arrangements about transport infrastructure works, contributions and road-use management strategies detailed and required under the approved RIA and road-use management plan, the proponent may enter into an infrastructure agreement with TMR.</p> <p>(b) The infrastructure agreement/s should identify all required works and contributions, and incorporate the following:</p> <ul style="list-style-type: none"> (i) project-specific works and contributions required to upgrade impacted road infrastructure and vehicular access to project sites as a result of the proponent's use of state-controlled roads by project traffic. (ii) project-specific contributions towards the cost of maintenance and rehabilitation to mitigate road or pavement impacts on state-controlled and local road infrastructure. (iii) performance criteria that detail protocols for consultation about reviewing and updating of project-related traffic assessments and impact mitigation measures that are based on actual traffic volume and impacts, should previously advised project details, traffic volumes and/or impacts change (iv) the proponent's undertaking to fulfil all commitments as detailed in the 'Table for listing road-use management plan commitments'. <p>(c) Any infrastructure agreement between the proponent and TMR should be concluded three (3) months prior to</p>	<p>TMR did not require a Transport Infrastructure Agreement.</p>	<p>Compliant</p>

commencement of project construction, or as otherwise agreed in writing between the proponent and TMR.								
Schedule 2 – MNES								
<p>Recommendation 1. Disturbance limits</p> <p>(a) The maximum extent of the impact must not exceed the area specified for the MNES species in Table 7.9</p> <p>Table 7.9 Authorised maximum disturbance limits for MNES</p> <table border="1" data-bbox="215 501 904 683"> <thead> <tr> <th>Impacted MNES</th> <th>Maximum extent of impact (ha)</th> </tr> </thead> <tbody> <tr> <td>Habitat for the Mount Emu she-oak (<i>Allocasuarina emuina</i>)</td> <td>4.41</td> </tr> <tr> <td>Habitat for the wallum sedgefrog (<i>Litoria longburensis</i>)</td> <td>1.67*</td> </tr> </tbody> </table>	Impacted MNES	Maximum extent of impact (ha)	Habitat for the Mount Emu she-oak (<i>Allocasuarina emuina</i>)	4.41	Habitat for the wallum sedgefrog (<i>Litoria longburensis</i>)	1.67*	<p>The maximum extent of impact on <i>Litoria longburensis</i> habitat did not exceed 1.67 ha.</p> <p>The maximum extent of impact on the habitat for the <i>Allocasuarina emuina</i> was less than 4.0 ha due to a modification to the drainage design which enabled some of this habitat to be avoided.</p>	Compliant
Impacted MNES	Maximum extent of impact (ha)							
Habitat for the Mount Emu she-oak (<i>Allocasuarina emuina</i>)	4.41							
Habitat for the wallum sedgefrog (<i>Litoria longburensis</i>)	1.67*							
<p>Recommendation 2. Management of impacts on the retained <i>Allocasuarina emuina</i> population (AEP1)</p> <p>(a) The approval holder must retain and take all reasonable steps to minimise direct and indirect impacts on the retained <i>Allocasuarina emuina</i> population (AEP1)</p> <p>(b) The approval holder must ensure there is no net loss of the condition and/or extent of the retained <i>Allocasuarina emuina</i> population (AEP1)</p> <p>(c) The approval holder must undertake ongoing monitoring and management of the retained population for a period of five years post-construction to ensure the retained population is not adversely impacted by works associated with the proposed action</p> <p>(d) The approval holder must ensure an appropriate fire regime is undertaken for the maintenance of retained population.</p>	<p>This recommendation was subsequently superseded by conditions imposed by the federal Minister for the Environment under the requirements for Matters of National Environmental Significance under the Environmental Protection and Biodiversity Conservation Act. However, some of the matters were not explicitly included in those conditions.</p> <p>The following detail the actions that are relevant.</p> <ul style="list-style-type: none"> (a) The retained habitat for the <i>Allocasuarina emuina</i> was fenced off during the construction of the works under contract to ensure no direct impact occurred. (b) All delivery of dredged sand utilising salt water was moved further away from the <i>Allocasuarina emuina</i> habitat to minimise any potential indirect impacts. (c) Monitoring by the proponent is to continue for five years until June 2025. (d) A controlled burn of the retained <i>Allocasuarina emuina</i> habitat area has been conducted. 	Compliant. Monitoring ongoing.						
<p>Recommendation 3. Lesser swamp orchid (<i>Phaius australis</i>)</p>	<p>The area in which the <i>Phaius australis</i> was located was excluded from the project footprint and no disturbance took place.</p>	Compliant						

<p>(a) The approval holder must take all reasonable steps to avoid disturbance to the population of <i>Phaius australis</i> identified on the north-eastern perimeter of the project site, such as providing protection fencing and signage</p> <p>(b) The approval holder must ensure that appropriate measures are undertaken to conserve any individual plants identified during pre-clearance surveys.</p>		
<p>Recommendation 4. Biodiversity offset strategy.</p> <p>(a) Prior to the commencement of land disturbance, the approval holder must prepare Biodiversity Offset Strategy that is consistent with the 'Sunshine Coast Airport Expansion Project–Biodiversity Offsets Strategy' dated 3 September 2015 in 'Appendix B of the Additional Information to the Environmental Impact Statement to address significant residual impacts to:</p> <p>(i) Mount Emu she-oak (<i>Allocasuarina emuina</i>)</p> <p>(ii) Wallum sedge frog (<i>Litoria olongburensis</i>)</p>	<p>A new Biodiversity Offset Strategy that was consistent with the 'Sunshine Coast Airport Expansion Project–Biodiversity Offsets Strategy' dated 3 September 2015 in 'Appendix B of the Additional Information to the Environmental Impact Statement was prepared prior to the commencement of land disturbance.</p>	<p>Compliant</p>
<p>Recommendation 5. Securing the Mount Emu she-oak offset site</p> <p>(a) The approval holder must purchase, obtain and secure tenure to undertake the proposed translocation of <i>Allocasuarina emuina</i>.</p>	<p>The area into which the <i>Allocasuarina emuina</i> was translocated from the disturbed area is on airport land outside the secure airside fence.</p>	<p>Compliant</p>
<p>Recommendation 6. Mount Emu she-oak translocation plan</p> <p>(a) Prior to the commencement of land disturbance, the approval holder is to prepare a Mount Emu she-oak translocation plan</p> <p>(b) The translocation plan must be prepared by a suitably qualified person</p> <p>(c) The translocation plan must include :</p> <p>(i) information demonstrating the proposed receiving translocation site has the appropriate ecological conditions/processes capable of supporting the translocated <i>Allocasuarina emuina</i> population</p> <p>(ii) a detailed analysis of the merits on a small scale trial translocation to the receiving translocation site to</p>	<p>This recommendation was subsequently superseded by conditions imposed by the federal Minister for the Environment under the requirements for Matters of National Environmental Significance under the Environmental Protection and Biodiversity Conservation Act. However, some of the matters were not explicitly included in those conditions.</p> <p>The following detail the actions that are relevant.</p> <p>(a) A detailed <i>Allocasuarina emuina</i> translocation plan was prepared</p> <p>(b) The plan was prepared by suitably qualified persons and was reviewed by a committee incorporating University of Sunshine Coast research staff, Kabi Kabi First Nation representatives,</p>	<p>Compliant with ongoing monitoring and management under conditions imposed by the federal Minister for the Environment.</p>

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<p>demonstrate the likely success of the translocation and to inform specific management measures at the site</p> <p>(iii) a detailed description of the translocation methods including but not limited to preparation of the impact site and the timing of the translocation operations.</p> <p>(iv) a description of the performance indicators used to determine the success of the translocation</p> <p>(d) The approval holder must not commence land disturbance until the Minister has approved a translocation plan in writing</p> <p>(e) The approval holder must implement the translocation plan once approved in writing by the Minister</p> <p>(f) Prior to commencing translocation, <i>Allocasuarina emuina</i> population surveys must be undertaken to determine the baseline population (i.e. number of individuals present at the time of translocation) that would be translocated to the receiving translocation site. The approval holder must establish the translocated population of <i>Allocasuarina emuina</i> at the agreed site and must demonstrate that:</p> <p>(i) the population contains at least the number of individuals that were identified at the time of pre-translocation population surveys, specified under Condition (f)</p> <p>(ii) arrangements are in place to ensure the ongoing management of the translocated population for the conservation of <i>Allocasuarina emuina</i> including a suitable fire regime and weed management</p> <p>(iii) the translocated population is viable.</p> <p>(g) The approval holder must prepare a monitoring program to demonstrate that the translocation results in a viable population</p> <p>(h) The monitoring program must be developed and undertaken by a suitably qualified person</p>	<p>Queensland Fire and Emergency Services representatives and local environmentalists.</p> <p>(c) The plan included the following:</p> <ol style="list-style-type: none"> i. Proposed receiving site were tested to determine that it had the appropriate ecological conditions/processes capable of supporting the translocated population. ii. The success of the process that was proposed had already been proven through other translocations in the Mooloolah River Environmental Reserve. iii. a detailed description of the translocation methods including the preparation of the impact site and the timing of the translocation operations, and iv. Performance indicators to be used to determine the success of the translocation plan. <p>(d) The plan was submitted and approved by the federal Minister for the Environment prior to commencement of the works.</p> <p>(e) The plan was implemented in accordance with the plan approved by the Minister</p> <p>(f) The federal Minister for the Environment's approval contained additional conditions in relation to population surveys. The surveys were conducted in accordance with those conditions.</p> <p>(g) Monitoring and management programs were included in the translocation plan.</p> <p>(h) The monitoring process within the approved plan was prepared by a suitably qualified person.</p> <ul style="list-style-type: none"> • Monitoring has indicated that the individually translocated plants suffered a high mortality rate. Those involved in the tile translocation have thrived. • Additional tube-stock raised from seeds harvested from the population prior to translocation have been planted to replace the individual plants that did not survive. • These replacement plants are now well established. <p>(i) An annual compliance report is published on Council's website and forwarded to the federal Department of Environment, to be held for five years following the date of approval.</p>	
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<p>(i) The approval holder must provide an annual report describing all survey and monitoring results, and how the conditions of the approval have been complied with, for five years following the date of the approval.</p>		
<p>Recommendation 7. Contingency plan for Mount Emu she-oak</p> <p>(a) The approval holder must ensure a contingency plan is in place, in the event that translocation of <i>Allocasuarina emuina</i> is not successful</p> <p>(b) The contingency plan must include a detailed description of the methods that would be used to propagation/cultivate <i>Allocasuarina emuina</i></p> <p>(c) The approval holder must ensure that an appropriate number of seed stock (i.e. able to establish a viable population) are collected prior to disturbance for propagation.</p> <p>(d) The number of seed stock would be based on the size of the baseline population that would be determined during pre-translocation population surveys, specified under Recommendation 6 (f).</p>	<p>This recommendation was subsequently superseded by conditions imposed by the federal Minister for the Environment under the requirements for Matters of National Environmental Significance under the Environmental Protection and Biodiversity Conservation Act.</p> <p>(a) A contingency plan was included in the Offset Management Plan required by the federal Minister for Environment.</p> <p>(b) The contingency plan involved harvesting of seeds from the population prior to translocation followed by germination and nurturing in a nursery to provide viable tube-stock for replacement planting. The contingency also identified additional areas nearby into which new tube-stock could be planted.</p> <p>(c) All seed stock was collected prior to disturbance.</p> <p>(d) The number of seedlings germinated and nurtured provided sufficient stock for replanting of the entire baseline population.</p>	<p>Compliant</p>
<p>Schedule 3 – Aircraft Noise community engagement and community information</p>		
<p>Recommendation 8. Additional noise management measures</p> <p>(a) The proponent should implement additional measures to those specified in the Sunshine Coast Airport Expansion EIS to manage increases in aircraft noise resulting from the expanded Sunshine Coast Airport.</p> <p>(b) The additional measures specified in (a) above, should be reasonable and practical and focus on sensitive receptors (dwellings and community facilities) that experience an increase in noise emissions as predicted by ANEC and subsequent ANEF for the expanded Sunshine Coast Airport.</p> <p>(c) To achieve the effective management of noise specified in (a) above, the proponent should consider implementing these reasonable and practical measures</p>	<p>a) An additional measure that has been implemented was the construction of a mound at the south-eastern end of the new runway which will assist in deflecting jet-blast and the associated noise. Sunshine Coast Council also worked with Airservices Australia in supporting Constant Descent Approaches (CDA) in the new flight paths to minimise noise from approaching aircraft on descent.</p> <p>(b) The additional measures specified in (a) above, will provide some mitigation for sensitive receptors (dwellings and community facilities) that experience an increase in noise emissions as predicted by ANEC and subsequent ANEF for the expanded Sunshine Coast Airport.</p> <p>(c) Although Sunshine Coast Council has limited ability to influence the noise at the noise source, the additional measures</p>	<p>Compliant</p>

<p>to manage noise either from the noise source or at the sensitive receptor (dwellings and community facilities).</p> <p>(d) The proponent should engage directly with all affected sensitive receptors (dwellings and community facilities) that may experience a potential increase in noise emissions as predicted by the ANEC and subsequent ANEF for the Sunshine Coast Airport. The proponent should implement suitable measures as specified in (c) above to manage noise from those aircraft operations resulting from aircraft noise from the expanded Sunshine Coast Airport.</p> <p>(e) The proponent should report progress to the community to achieve the outcome specified in (a) above at the community aviation forum and on the proponent's website in a timely manner.</p>	<p>implemented were directed at the noise source rather than at the sensitive receptor (dwellings and community facilities), as this was determined to be neither practical nor reasonable. The preferred operating mode and CDA of the runway are matters that fall under the jurisdiction of Airservices Australia.</p> <p>(d) Sunshine Coast Council has no jurisdiction to unilaterally manage noise from the aircraft operations resulting from the expanded Sunshine Coast Airport. Sunshine Coast Airport Pty Ltd has worked with groups representing local residents and Airservices Australia to renew the Noise Abatement Policy for the airport.</p> <p>(e) Sunshine Coast Airport has undertaken to report progress on noise matters to the community through the Community and Aviation Forum.</p>	
<p>Recommendation 9. Helicopter operations</p> <p>(a) To manage impacts to sensitive receptors (dwellings and community facilities), the proponent should work with helicopter operators to seek to relocate helicopter operations from the southern general aviation area to the western general aviation area earlier than the 2027 proposed in the EIS.</p>	<p>Sunshine Coast Airport Pty Ltd has negotiated with a helicopter training company to relocate their operations to the western general aviation area.</p> <p>Helicopter operators will relocate as their leases expire.</p> <p>Sunshine Coast Airport Pty Ltd has recently released a revised Master Plan following community consultation. This plan confirms the relocation of helicopter operations to the western general aviation area.</p>	Compliant
<p>Recommendation 10. Community engagement and information</p> <p>(b) The proponent should update the ANEF and ANEI contours every five to ten years and publish them on the Sunshine Coast Airport website to inform the community of the predicted and actual aircraft noise contours.</p> <p>(c) Cooperate with ASA on the implementation of the WebTrak online portal and the Noise and Flight Path Monitoring System (NFPMS) to provide real-time information to inform the community of property specific noise levels and flight path information.</p> <p>(d) Provide ASA with noise complaints made directly to Sunshine Coast Airport so that all noise complaints</p>	<p>The ANEF and ANEI contours will be updated by the Sunshine Coast Airport Pty Ltd every five to ten years. Sunshine Coast Airport Pty Ltd is the only entity in possession of the relevant information and traffic projections to enable forecasts to be made.</p> <p>Sunshine Coast Airport Pty Ltd has cooperated with Airservices Australia (AA) who have implemented the Web Trak online portal and the Noise and Flight Path Monitoring System (NFPMS) to provide real-time data to inform the community of property specific noise levels and flight path information. A summary of complaints received by AA is presented in reports at the Community and Aviation Forum.</p> <p>Sunshine Coast Airport has provided AA with noise complaints made directly to Sunshine Coast Airport so that all noise complaints about the Sunshine Coast Airport are captured in the Airservices Australia</p>	Compliant

<p>about the Sunshine Coast Airport are captured in the Airservices Australia quarterly online noise reports.</p>	<p>quarterly online noise reports. Council refers any noise complaints that it receives directly to Sunshine Coast Airport Pty Ltd.</p>	
<p>Recommendation 11. Land use planning (a) The proponent should provide the necessary data to enable the Sunshine Coast Planning Scheme 2014 to be updated to reflect the changes to Sunshine Coast Airport operations resulting from the project's development, including the Airservices endorsed ANEF contours for the expanded Sunshine Coast Airport and reflect the principles relating to noise in the National Airports Safeguarding Framework 2012.</p>	<p>The details of the Sunshine Coast Airport Pty Ltd Master Plan and the recently revised ANEF contours reflecting the new runway and flight paths will be incorporated into the Sunshine Coast Planning Scheme 2014, which is currently under revision.</p>	Compliant
<p>Recommendation 12. Informing prospective property buyers (a) Seek to establish a memorandum of understanding with the Real Estate Institute of Queensland to promote real estate agents' use of WebTrak online portal and the Noise and Flight Path Monitoring System. This would provide flight path information and aircraft noise levels to prospective property buyer(s) and to ensure they are fully informed of potential aircraft noise impacts.</p>	<p>Information regarding the promotion of real estate agent's use of Web Trak has been sent to the Real Estate Institute of Queensland (REIQ). Indications are that it is unlikely that a formal memorandum of understanding with REIQ will be possible. Council has included a link to Web Trak on its website in the Development Assessment functional area and promotes its use in that context.</p>	Partially Compliant
<p>Recommendation 13. Fly neighbourly policy (a) Revise and maintain the fly neighbourly policy to reflect the proposed east-west runway operations.</p>	<p>Sunshine Coast Airport Pty Ltd has reviewed their Fly Neighbourly Policy as required. The new policy was consulted with the community through the Community and Aviation Forum and with airport operators. It has now been published on the Sunshine Coast Airport webpage and has been forwarded to airport operators for formal acceptance.</p>	Compliant
<p>Recommendation 14. Navigation performance procedures and noise abatement procedures (a) Work with Airservices Australia to revise the required navigation performance procedures and runway mode of operation procedures to reflect the proposed east-west runway and: (i) implement the continuous descent approach allowing aircraft to approach the runway at a constant rate of descent, to reduce noise emissions (ii) mitigate noise impacts by prioritising departure over the coast where safe and operationally efficient.</p>	<p>During the delivery of the project, Council engaged Airservices Australia to design the required navigation performance procedures. Airservices Australia was also responsible for consulting with the public in relation to the new flight paths. Airservices Australia designed continuous descent approach flight paths to reduce noise emissions.</p> <p>Sunshine Coast Airport Pty Ltd has worked with Airservices Australia to revise the Noise Abatement Procedures as required. The finalisation of the new Noise Abatement Procedures is linked to Airservices Australia's Post Implementation Review.</p>	Compliant

<p>Recommendation 15. Community aviation forums (a) Expand the community aviation forum to include community groups from the newly affected suburbs.</p>	<p>Sunshine Coast Airport Pty Ltd who convene the Community and Aviation Forum meetings have expanded the membership to include new representatives from or associated with the following groups:</p> <ul style="list-style-type: none"> • Flight Path Forum • Yandina Creek Progress Association • Hinterland Residents Association • Friends of Buddina <p>Council is represented by Cr Suarez at these meetings.</p>	<p>Compliant</p>
<p>Schedule 4 – Acid Sulfate soils and project drainage</p>		
<p>Recommendation 16. Acid sulfate soil management The following recommendation is required to address acid sulfate soils management for activities onshore that are not addressed by ERA16 including activities such as earthworks and drains construction.</p> <p>(a) The ASSMP must be prepared in accordance with the Environmental Management Framework for Acid Sulfate Soils (Appendix C from the AEIS).</p> <p>(b) Acid sulfate soils investigations and management plan preparation must be conducted in a manner that is sufficient to develop the ASSMP in accordance with:</p> <p>(i) Queensland acid sulfate soils technical manual: legislation and policy guide</p> <p>(ii) Queensland acid sulfate soils technical manual: laboratory methods guidelines</p> <p>(iii) Queensland acid sulfate soils technical manual: soil management guidelines</p> <p>(iv) Guidelines for sampling and analysis of lowland acid sulfate soils</p> <p>(v) State Planning Policy 2014 Water Quality code Acid Sulfate Soils</p> <p>(c) The proponent must conduct all works to ensure that no environmental harm as defined under the Environmental Protection Act 1994 is caused.</p> <p>(d) The acid sulfate soil management plan (ASSMP) must address the following matters:</p>	<p>The ASSMP was prepared to address all matters identified under this condition both for matters addressed by the EA BRID0035 and for matters required to address acid sulfate soils management for activities onshore that are not addressed by ERA16 including activities such as earthworks and drains construction.</p> <p>The ASSMP:</p> <p>(a) Was prepared in accordance with the Environmental Management Framework for Acid Sulfate Soils (Appendix C from the AEIS).</p> <p>(b) The acid sulfate soils investigations and management plan preparation was conducted in a manner that was sufficient to develop the ASSMP in accordance with:</p> <p>(i) Queensland acid sulfate soils technical manual: legislation and policy guide</p> <p>(ii) Queensland acid sulfate soils technical manual: laboratory methods guidelines</p> <p>(iii) Queensland acid sulfate soils technical manual: soil management guidelines</p> <p>(iv) Guidelines for sampling and analysis of lowland acid sulfate soils</p> <p>(v) State Planning Policy 2014 Water Quality code Acid Sulfate Soils</p> <p>(c) The Contractor undertook the work in accordance with Activity Method Plans which were prepared to ensure that no environmental harm as defined under the Environmental Protection Act 1994 was caused.</p>	<p>Compliant</p>

<ul style="list-style-type: none"> (i) Treatment of excavated or disturbed soils/sediments. (ii) Management of groundwater levels to avoid environmental harm (iii) Management of disturbed soils. (iv) Monitoring and compliance with surface water and groundwater limits in this environmental authority. (v) The location(s) of any treatment pads on design drawings along with cell/bund design and lime guard layer rates. (vi) The thickness of each soil layer, soil testing rates per volume of material and the type of analysis to be used. (vii) List equipment to be used for application and incorporation of lime. (viii) Detail the incorporation method, liming rates and verification of quantities. (ix) Set out validation testing rate per volume of material and acceptance requirements. (x) Describe the sampling technique and what type of analysis will be used. (xi) Consider the likely turnaround times for full treatment of each layer including drying time so that delays do not result in oxidation and acid discharge. (xii) Ensure treatment area is sufficiently large that treated layers are not buried until validation tests show the material has been fully treated. (xiii) Establish the rate of treatment and thus duration of these works. (xiv) Preferably schedule excavation and treatment during the dry season. (xv) Establish emergency procedures to cope with inclement weather. If treatment extends into or occurs over a wet season provide alternative methods or modified procedure. 	<p>(d) The acid sulfate soil management plan (ASSMP) also addressed the following matters:</p> <ul style="list-style-type: none"> (i) Treatment of excavated or disturbed soils/sediments. (ii) Management of groundwater levels to avoid environmental harm (iii) Management of disturbed soils. (iv) Monitoring and compliance with surface water and groundwater limits in this environmental authority. (v) The location of any treatment pads shown on design drawings along with cell/bund design and lime guard layer rates. (vi) The thickness of each soil layer, soil testing rates per volume of material and the type of analysis to be used. (vii) The details of equipment to be used for application and incorporation of lime. (viii) The detailed incorporation method, liming rates and verification of quantities. (ix) The validation testing rate per volume of material and acceptance requirements. (x) The sampling technique and what type of analysis would be used. (xi) Consideration of the likely turnaround times for full treatment of each layer including drying time so that delays did not result in oxidation and acid discharge. (xii) Size of the treatment area that it was sufficiently large to ensure that treated layers were not buried until validation tests show the material had been fully treated. (xiii) The rate of treatment and thus the duration of these works. (xiv) Schedule excavation and treatment during the dry season whenever possible. (xv) Emergency procedures to cope with inclement weather. Alternative methods or modified procedures were identified in the event that treatment extends into or occurs over a wet season. 	
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<p>(xvi) Outline the roles, responsibilities and how knowledge (as well as oversight) will be conveyed to any contractor/s.</p> <p>(e) An appropriately qualified person must design and be responsible for the implementation of the ASSMP.</p> <p>(f) Treatment areas for acid sulfate soils must be lined to minimise any seepage and be capable of accommodating rainfall from a 24 hour storm event with an average return interval (ARI) of 1 in 5 years plus sediment storage without release.</p>	<p>(xvi) The roles, responsibilities and how knowledge (as well as oversight) was to be conveyed to any sub-contractor/s.</p> <p>(e) An appropriately qualified person designed and was responsible for the implementation of the ASSMP.</p> <p>(f) Treatment areas for acid sulfate soils were lined with an impermeable clay layer to minimise any seepage and be capable of accommodating rainfall from a 24 hour storm event with an average return interval (ARI) of 1 in 5 years plus sediment storage without release.</p>	
<p>Recommendation 17. Project drainage Mitigation of saline egress beyond the drains and management of the groundwater table should be consistent with the conditions of ERA16.</p> <p>(a) A permanent impermeable groundwater cut off wall, extending from the ground surface down to the confining coffee rock layer must be installed and maintained for the length of the northern perimeter drain between the drain and the property boundary to the north. The drain must operate to prevent lowering of the water table on the wall side distant from the drain, oxidation of potential acid sulfate soils and ingress of contaminants to groundwater beyond the wall.</p> <p>(b) A like impermeable groundwater cut off wall must be installed along the western perimeter drain, westwards of the drain, where necessary to avoid lowering the water table below potential acid sulfate soils, comply with the groundwater and surface water quality limits, and/or protect conservation areas as shown in EIS Appendix B3 Figure 3.7B.</p> <p>(c) Groundwater elevation in areas potentially lowered by drains must be measured in suitably sited and installed bores and recorded before any disturbance to establish background elevations. Monitoring and recording must also be undertaken following disturbance to ensure groundwater levels are not lowered below natural levels.</p>	<p>The mitigation of saline egress beyond the drains and management of the groundwater table was undertaken in accordance with the EA BRID 0035 for ERA16.</p> <p>(a) A permanent impermeable groundwater cut off wall, extending from the ground surface down to the confining coffee rock layer or 2.8 metres was installed between the northern perimeter drain and the property boundary to the north for the length detailed in the revised EA BRID00035 approved on 26 June 2018.</p> <p>(b) The western perimeter drain was not required to facilitate site drainage and consequently was not constructed. Therefore a permanent impermeable groundwater cut off wall was not required to avoid lowering the water table below potential acid sulfate soils, comply with the groundwater and surface water quality limits, and/or protect conservation areas as shown in EIS Appendix B3 Figure 3.7B..</p> <p>(c) Groundwater bores were sited in areas where groundwater could potentially be lowered by drains. These bores were monitored and recorded for twelve months prior to any disturbance to background groundwater elevations through airport construction.</p> <p>(d) Background monitoring and recording has been undertaken by suitably qualified persons monthly for at least one year prior to any drain installation, then monthly during airport construction and thereafter quarterly.</p>	<p>Compliant</p>

<p>(d) Background monitoring shall be undertaken by suitably qualified persons monthly for at least one year prior to any drain installation, then monthly during airport construction and thereafter quarterly.</p>		
<p>Schedule 5 – State Planning Policy Airport Environs Mapping</p>		
<p>To ensure that the state interest for protection of the Sunshine Coast Airport is safeguarded, please note the following:</p> <p>(a) Before Airservices Australia will endorse the Australian Noise Exposure Forecast (ANEF) contour for the Sunshine Coast Airport, consultation with state government must occur. When the Sunshine Coast Airport refers the Sunshine Coast Airport ANEF contour modelling to TMR, it will be reviewed and comments provided as necessary. This is to ensure the ANEF contour modelling is consistent with the state interest for protecting the airport.</p> <p>TMR requests that the Sunshine Coast Airport endeavour to provide updated GIS data to TMR within four weeks of Commonwealth endorsement of all updated airport contours, subsequent to an EIS approval. This is in accordance with the executed Deed of Agreement for data supply and use to support protection of strategic airports under the State Planning Policy between TMR and the Sunshine Coast Airport, dated 1 August 2014.</p>	<p>The details were provided to the local TMR office, who advised that they were satisfied with the process whereby Airservices Australia had reviewed the contours and supporting data and that the new ANEF contours would be included in the Sunshine Coast Planning Scheme.</p>	<p>Compliant</p>
<p>Proponent Commitments</p>		
<p>1. All necessary permits and approvals required subsequent to a determination on the EIS will be sought and complied with.</p>	<p>All necessary permits and approvals required have been sought and complied with.</p>	<p>Compliant</p>
<p>2. SCA will carry out general community engagement activities in accordance with a Stakeholder Management Plan throughout the construction phase of the project.</p>	<p>SCRC has undertaken general community engagement activities in accordance with a Stakeholder Management Plan throughout the construction phase of the project.</p>	<p>Compliant</p>

<p>3. Specific notification and complaint response procedures will be outlined in accordance with relevant management plans outlined in this Table.</p>	<p>The Contractor was required to include specific notification and complaint response procedures in their relevant management plans.</p>	<p>Compliant</p>
<p>4. When the project is constructed, encourage procurement processes that promote local suppliers and employment opportunities.</p>	<p>In accordance with Council's Buy Local policy, the procurement process added weighting to the use of local suppliers and employment opportunities.</p>	<p>Compliant</p>
<p>5. Implement noise control measures during construction and document these in the Environmental Management Plan (construction) and/or the Dredge Management Plan (as relevant), including:</p> <ul style="list-style-type: none"> • Provision of general mitigation measures to meet noise goals set for sensitive receivers for the daytime, evening and night time construction periods. • If it is required, noise from the booster pump is to be mitigated and controlled to an appropriate noise level in accordance with the EPP (Noise). • Restriction of airport site works outside standard construction hours to include essential plant only. • Conducting dredging works during the following times: <ul style="list-style-type: none"> • 7:00am to 6:00pm (Monday to Saturday) for site preparation and assembly/disassembly of the dredge pipeline. Deliveries of plant and materials may occur outside those hours • seven days per week, 24 hours per day for dredging and placement activities (use of dozers, light towers, dredge • day-light hours for all non-essential maintenance. • Provision of information on construction activities to sensitive receivers and consultation in the event excessive noise complaints received. • Notification of residents of Finland Road when significant heavy vehicle traffic is anticipated. 	<p>The Environmental Authority (EA) BRID 0035 contained conditions relating to noise.</p> <p>The Contractor successfully met the requirements outlined in EA BRID 0035 in relation to the noise emissions of work generated noise levels in comparison with background noise levels.</p> <p>Letter box drops and Project Information Updates provided in relation to work activities outside of normal operating hours.</p> <p>The booster pump to assist in the delivery of the dredge sand was not required.</p> <p>The operating hours for site preparation and assembly/disassembly works were from 7:00 am until 6:00 pm (Monday to Saturday) as required.</p> <p>A Project Newsletter detailing extent and timing of proposed concrete placement works during the early hours of the morning was personally letter-box dropped by Contractor and Council staff in noise sensitive residential areas adjacent to the works. Consultation with individuals was conducted on request. Excessive noise complaints were not received. Finland Road residents provided with two face to face information sessions and personal meetings on request.</p> <p>All Contractor and sub-contractor staff underwent training in the noise requirements for the project.</p> <p>Due to the lack of noise complaints, compliance monitoring was not required.</p>	<p>Compliant</p>

<ul style="list-style-type: none"> • Training of staff and sub-contractors in noise requirements and compliance monitoring if required. 		
6. Work cooperatively with Airservices Australia when a Runway Operating Plan for all new runway operations is developed and implemented.	Airservices Australia (AA) was included in discussions relating to runway operations through the Operational Readiness Runway Transition process.	Compliant
7. Expand the Community Aviation Forum to include representatives from newly noise affected areas.	This commitment was included as a recommendation. Community and Aviation Forum is facilitated by Sunshine Coast Airport (SCA). SCA has expanded membership to include newly noise affected areas.	Compliant
8. Continue consultation with residents, schools and other essential community infrastructure that can be affected by future aircraft noise.	This commitment was included as a recommendation. Consultation with all nearby stakeholders was continued throughout the project. Over 50 presentations were made to local community groups	Compliant
9. Continue to manage helicopter noise at the airport in accordance with current policies and procedures.	SCA is responsible for interaction with tenants. SCA has facilitated meetings between AA and tenants engaged in helicopter operations.	Compliant
10. Publish an updated ANEF on a regular basis at intervals of between 5-10 years.	This commitment was included as a recommendation. The new ANEF has been published by SCA. They will continue to publish updates regularly.	Compliant
11. Make online aircraft noise tool publicly available.	This commitment was included as a recommendation. The Aircraft Noise Tool has been made available on the SCA website.	Compliant
12. Helicopter training operations will be relocated to the two new helicopter training pads that are to be created in the north-west area of the airport site.	New helicopter training pads have been constructed in the north-western area of the airport.	Compliant
13. The proponent will not renew or extend leases for helicopter operations within the southern general aviation area beyond 2027.	This commitment was included as a recommendation. SCA have agreed that leases for helicopter operations within the southern general aviation area will not be renewed or extended beyond 2027.	Compliant
14. The proponent will work with helicopter operators and lessees of helicopter operations sites within the southern general aviation area to relocate helicopter operations to the western general aviation area earlier than 2027 where possible.	This commitment was included as a recommendation. One tenant moved helicopter operations to the western general aviation area in 2017 after successful negotiations regarding an early release of lease arrangements. Other tenants and lessees of helicopter operation sites will be moving their operations to the western general aviation area as their leases expire. All remaining leases will expire prior to 2027.	Compliant
15. Revise the fly neighbourly policy to reflect the proposed east-west runway.	This commitment was included as a recommendation.	Compliant

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	The Fly Neighbourly Policy is a policy of the Sunshine Coast Airport Pty Ltd (SCAPL). SCAPL have advised that a revised Fly Neighbourly Policy is currently under review and has been released to members of the Community and Aviation Forum for comment.	
16. Work with Air Services Australia to develop noise abatement procedures and preferred runway arrangements to help improve aircraft noise outcomes for nearby residents.	SCA meets regularly with AA to discuss noise abatement procedures. A new Noise Abatement Procedure has been developed by Airservices Australia and has been discussed with members of the Community and Aviation Forum.	Compliant
17. Work in cooperation with ASA and CASA when they undertake the design of the RNP for the new runway approaches. RNP is a means of increasing efficiency of operations and improving aircraft noise outcomes.	Council worked in cooperation with Airservices Australia (AA) and CASA when AA undertook the design of the new flight path procedures to include RNP-AR procedures for the new runway approaches to improve aircraft noise outcomes.	Compliant
18. Development and implementation of a surface water quality monitoring programme including: <ul style="list-style-type: none"> • twelve months of baseline monitoring at nominated locations prior to commencement of hydraulic sand placement on the site • ongoing monitoring during the construction phase • twenty-four months of post construction monitoring with provision to extend if any attributable impacts are detected • compliance with relevant performance criteria and standards • management response actions for water quality criteria exceedances. 	This commitment was included in the Environmental Authority (EA) conditions and has been addressed under Conditions WT2 to WT8.	Compliant
19. Install a tidal flap (or similar structure) on the Marcoola drain culverts under Finland Road for operation to control tailwater discharge during construction.	This commitment was included in the EA conditions and has been addressed under Condition WT9.	Compliant
20. Manage the release of tailwater to avoid overtopping of drains receiving the release tailwaters.	This commitment was included in the EA conditions and has been addressed under Condition WT3.	Compliant
21. Control structures are constructed on drains traversing the Mount Coolum National Park and discharging into the northern perimeter drain to	This commitment was included in the EA conditions and has been addressed under Condition WT12.	Compliant

prevent water quality impacts in the adjacent National Park.		
<p>22. Development and implementation of a groundwater monitoring program, including:</p> <ul style="list-style-type: none"> • installation of a groundwater monitoring system, including bores, to monitor upper and lower aquifers • twelve months baseline monitoring at nominated locations prior to commencement of hydraulic sand placement on the site • ongoing monitoring during construction phase • twenty-four months post-construction monitoring with provision to extent if any attributable impacts are detected • compliance with relevant performance criteria and standards • trigger values and actions in relation to any groundwater exceedances. 	This commitment was included in the EA conditions and has been addressed under Conditions GW1 to GW5.	Compliant
<p>23. Install a high quality HDPE liner beneath the area of hydraulically placed fill excepting the areas identified in the surcharge area and under the polishing pond where the naturally occurring clay layer is of sufficient thickness to be practically impermeable.</p>	This commitment was included in the EA conditions and has been addressed under Condition WT10.	Compliant
<p>24. Install a low permeability cut off wall on the northern side of the Northern Perimeter drain to protect the Mount Coolum National Park.</p>	This commitment was included as a CoG Recommendation. This commitment was also included in the EA conditions and has been addressed under Conditions GW6.	Compliant
<p>25. If it is required to be constructed in the final design, consider the need for installation of a similar cut off wall along the western perimeter drain.</p>	This commitment was included as a CoG Recommendation. This commitment was also included in the EA conditions and has been addressed under Condition GW6.	Compliant
<p>26. Prepare and implement an Erosion and Sediment Control Plan (ESCP) for earthworks and construction that is in accordance with the International Erosion Control Association of Australia's guidelines, including the following details:</p>	This commitment was included in the EA conditions and has been addressed under Condition S1.	Compliant

<ul style="list-style-type: none"> • staging of clearing and other soils disturbing activities • stormwater management during construction • stockpile management • soil stabilisation and protection • erosion and sediment control infrastructure • maintenance of riparian buffer zones and minimising waterway disturbance (where relevant) • rehabilitation (consistent with the Biodiversity Offset Strategy and any other relevant rehabilitation strategies) • corrective actions in the event management response triggers are exceeded • roles and responsibilities. 		
<p>27. Any 'regulated structures' associated with the project are to be designed and constructed in accordance with the Manual for Assessing Consequence Categories and Hydraulic Performance of structures (EM635).</p>	<p>This commitment was included in the EA conditions and has been addressed under Conditions X1 to X20,</p>	<p>Compliant</p>
<p>28. Further development of drainage and stormwater design for the new airfield as part of detailed design and engineering approvals for the project.</p>	<p>The detailed design undertaken as a Design and Construct Contract has further developed the drainage and stormwater design.</p>	<p>Compliant</p>
<p>29. Carry out an assessment and characterisation of the ASS conditions of the site in identified risk areas in accordance with Queensland ASS Guidelines.</p>	<p>This commitment was included as a CoG Recommendation. This commitment was also included in the EA conditions and has been addressed under Recommendation 16 and Conditions L3 to L8.</p>	<p>Compliant</p>
<p>30. Prepare a site-specific ASS Management Plan that details:</p> <ul style="list-style-type: none"> • staging of earthworks involving ASS • treatment of excavated soils including lime treatment rates, location of treatment areas, validation testing and application methodology • handling, stockpiling and transport of ASS • ground and surface water quality objectives and performance criteria relevant to ASS treatment • soil, surface and groundwater water quality testing 	<p>This commitment was included as a CoG Recommendation. This commitment was also included in the EA conditions and has been addressed under Recommendation 16 and Conditions L3 to L8 .</p>	<p>Compliant</p>

<ul style="list-style-type: none"> • emergency procedures in the event of inclement weather • roles, responsibilities for implementation of the ASSMP • Use of a guard layer of agricultural lime to be placed within sections of the proposed drains to intercept and neutralise any acidity mobilised from normally unsaturated actual ASS that settles beneath the water table. 		
<p>31. Prepare a Contamination Management Plan for the remediation and/or management of the contaminated sites (two farm sheds) affected by the project.</p>	<p>A baseline study of the contaminated sites (two farm sheds) was prepared and included in the D&C Contract. The D&C contractor prepared activity method statements (AMS) for the remediation of the area. Works were completed in accordance with requirements.</p>	<p>Compliant</p>
<p>32. Remediate contaminated sites if required prior to the commencement of bulk earthworks for that portion of the site.</p>	<p>Any contamination that was identified during construction was remediated prior to the commencement of bulk earthworks in accordance with D&C Contract.</p>	<p>Compliant</p>
<p>33. Confirm flooding objectives and outcomes predicted by the EIS can be achieved during the detailed design and engineering approvals for the project.</p>	<p>This was included as an Imposed condition by the Coordinator-General and has been confirmed and certified by an Registered Engineer Queensland (RPEQ).</p>	<p>Compliant</p>
<p>34. Negotiate property specific building modifications to each flood affected dwelling (5 properties predicted to experience minor over floor flooding) with the property owners.</p>	<p>A flood afflux mitigation strategy was identified that reduced the potential 1% AEP flood impact on these properties such that building modifications were not required. The predicted flood level did not result in over floor flooding.</p>	<p>Compliant</p>
<p>35. Development and implement a revised Biodiversity Offset Strategy (see environmental offset commitments)</p>	<p>A revised Biodiversity Strategy was developed and was ultimately embodied in the Agreed Delivery Arrangements that were approved by the administering authority.</p>	<p>Compliant</p>
<p>36. Development and implementation of the following management plans as part of the Environmental Management Plan (construction):</p> <ul style="list-style-type: none"> • Vegetation Management Plan to minimise impacts to retained vegetation and habitat on and off the site • Weed Management Plan for control of pest plants • Fauna Management Plan to minimise impacts of construction activities on terrestrial and aquatic fauna. 	<p>The requirement for these plans was included in the Contract documentation. The Contractor developed and implemented the plans in accordance with the Contract.</p>	<p>Compliant</p>

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<p>37. Development and implement species management programs for protected species under the Nature Conservation Act 1992 as required.</p>	<p>Species management programs were developed and implemented for any species protected under the Nature Conservation Act 1992 that were identified on the site. This included the various acid frogs and the <i>Pezoporus wallicus wallicus</i>.</p>	<p>Compliant</p>
<p>38. Pre-clearing surveys within the clearing footprint for any protected plants; clearing to avoid identified plants or, if necessary, plants to be translocated.</p>	<p>Pre-clearing surveys within the clearing footprint were conducted prior to any clearing activities being undertaken.</p>	<p>Compliant</p>
<p>39. Development and implement a revised Biodiversity Offset Strategy, excluding the remaining significant residual impact (6.01ha) for the listed ground parrot (<i>Pezoporus wallicus wallicus</i>).</p>	<p>A revised Biodiversity Strategy was developed and was embodied in the Agreed Delivery Arrangements that were approved by the administering authority. The residual impact on the listed <i>Pezoporus wallicus wallicus</i> was dealt with through a financial offset.</p>	<p>Compliant</p>
<p>40. The remaining residual offset required for the eastern ground parrot is to be dealt with by a financial offset or other approach approved by the Coordinator-General.</p>	<p>The residual impact on the listed <i>Pezoporus wallicus wallicus</i> was dealt with through a financial offset.</p>	<p>Compliant</p>
<p>41. Key elements of the Biodiversity Offset Strategy include:</p> <ul style="list-style-type: none"> • Translocation of an area of 4.41ha of Mount Emu she-oak (<i>Allocasuarina emuina</i>) to a site adjacent to the SCA site • Creation of a combined 12.23ha of ponds/breeding habitat for wallum sedgefrog, <i>Litoria olongburensis</i> at the SCA site and at the Lower Mooloolah River Environmental Reserve (LMRER) site at Palmview • 12ha of habitat creation/augmentation for ground parrot at the SCA site and ongoing management of the Wallum Heath Management Area • Creation of 60.63ha of habitat for Wallum froglet and wallum rocketfrog at the LMRER site • Establish a 25ha vegetated corridor to create ecological connectivity between the northern and southern section of Mount Coolum National Park 	<ul style="list-style-type: none"> • Translocation of the impacted <i>Allocasuarina emuina</i> was undertaken. • Creation of a combined 12.23 ha of ponds/breeding habitat for wallum sedgefrog, <i>Litoria olongburensis</i> at the SCA site and at the Lower Mooloolah River Environmental Reserve (LMRER) site at Palmview will soon be tendered. • 12ha of habitat creation/augmentation for ground parrot at the SCA site and ongoing management of the Wallum Heath Management Area has been completed. • A contract for the creation of 60.63ha of habitat for Wallum froglet and wallum rocketfrog at the LMRER is about to be tendered. • A 40ha vegetated corridor to create ecological connectivity between the northern and southern section of Mount Coolum National Park has been created. Further augmentation of the vegetation is yet to occur. 	<p>Compliant</p>

<p>42. The approved Biodiversity Offset Strategy will be audited every five years with an audit report that outlines:</p> <ul style="list-style-type: none"> • results of an audit of the delivery of commitments made in the Biodiversity Offset Strategy • Offset Area Management Plan Implementation • acid frog habitat development and progress towards meeting completion criteria • data on threatened species usage of habitat. 	<p>The strategy will be revised in 2026.</p>	<p>Compliant</p>
<p>43. Prepare Cultural Heritage Management Plan(s) that details:</p> <p>process for engaging with Indigenous people</p> <ul style="list-style-type: none"> • measures to avoid or minimise harm to Aboriginal cultural heritage • cultural heritage survey methodology • conflict resolution process • cultural heritage induction and awareness training requirements • procedures in the event of a cultural heritage find during construction. 	<p>A Cultural Heritage Management Plan (CHMP) was negotiated and agreed with the Kabi Kabi First Nation traditional owner representatives.</p>	<p>Compliant</p>
<p>44. Prepare a Non-indigenous Cultural Heritage (NICH) Induction Booklet prior to ground disturbing activities, and include contents in site inductions.</p>	<p>A Kabi Kabi First Nation traditional owners representative conducted inductions prior to the commencement of ground disturbing activities.</p>	<p>Compliant</p>
<p>45. Prepare a procedure for managing unexpected NICH finds during construction.</p>	<p>Included in the CHMP.</p>	<p>Compliant</p>
<p>46. Upgrade Finland Road and the David Low Way/Finland Road intersection in consultation with DTMR.</p>	<p>Finland Road intersection with David Low Way was ultimately controlled under Traffic Controller direction under agreement with DTMR.</p>	<p>Compliant</p>
<p>47. Prepare a detailed Pavement Impact Assessment and agree remedial measures with DTMR prior to construction.</p>	<p>A detailed Pavement Impact Assessment was undertaken and submitted to DTMR. DTMR agreed with the outcome of the PIA that no remedial measures were required.</p>	<p>Compliant</p>
<p>48. Prepare a Road Use Management Plan that details:</p> <ul style="list-style-type: none"> • mitigation measures to address the relative increase in traffic levels on affected sections of the SCR network • changes to speed restrictions during construction • signage 	<p>This was included as a Recommendation by the Coordinator-General and has been addressed under Recommendation Part B Transport Infrastructure Act Conditions 1 and 2.</p>	<p>Compliant</p>

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<ul style="list-style-type: none"> • communication of scheduled construction activities and road closures • traffic controls during construction • measures to minimise total vehicle movements and travel during peak times during construction • construction haul routes • site induction requirements for vehicle operators • mobility impaired access to and from the site. 		
<p>49. The Environmental Management Plan (construction) shall include measures to reduce waste generation during construction, including:</p> <ul style="list-style-type: none"> • estimation of sources and quantities of waste to be generated • storage of construction waste and contaminants • disposal of waste in accordance with the waste hierarchy i.e. reduce/reuse/recycle/dispose • corrective procedures in the event of a spill/leak • record keeping of waste disposal • upgrade existing operational waste management facilities and arrangements in response to demand. 	<p>The Contractor's Environmental Management Plan included the relevant measures as follows:</p> <ul style="list-style-type: none"> • estimation of sources and quantities of waste to be generated • storage of construction waste and contaminants • disposal of waste in accordance with the waste hierarchy i.e. reduce/reuse/recycle/dispose • corrective procedures in the event of a spill/leak • record keeping of waste disposal • upgrade existing operational waste management facilities and arrangements in response to demand. 	Compliant
<p>50. Implement air quality and dust control measures during construction, and document these in the Environmental Management Plan (construction) including:</p> <ul style="list-style-type: none"> • regular watering of haul roads and stockpiles • additional watering during adverse weather conditions • minimising exposed surfaces, including stockpiles • avoid dust generating activities during periods of high winds • limit work near sensitive receptors during calm conditions when the dispersive capacity of the atmosphere is poor • substitute biodiesel for regular diesel when available • visual dust inspections 	<p>These requirements were included in the Scope of Works and Technical Criteria within the Contract documentation. The Contractor addressed the following matters in the Environmental Management Plan (Construction) and the Activity method Statements:</p> <ul style="list-style-type: none"> • regular watering of haul roads and stockpiles • additional watering during adverse weather conditions • minimising exposed surfaces, including stockpiles • avoid dust generating activities during periods of high winds • limit work near sensitive receptors during calm conditions when the dispersive capacity of the atmosphere is poor • substitution of biodiesel for regular diesel when available • visual dust inspections 	Compliant

<p>51. Investigate complaints received and apply corrective action where necessary.</p>	<p>This commitment was included in the EA conditions. All complaints were investigated and remedial/corrective action was initiated as soon as possible. Investigations were conducted in accordance with DES requirements and in compliance with the conditions of the EA.</p>	<p>Compliant</p>
<p>52. If complaints are persistent, conduct high-volume air sampling for particulate matter (PM10) and review dust management practices if guidelines exceeded.</p>	<p>This commitment was included in the EA conditions. All sampling results were below the recommended EPP (Air Quality) guidelines and were in fact less than at the permanent recording station at Mountain Creek.</p>	<p>Compliant</p>
<p>53. Work with Council, State and Commonwealth agencies to make sure that the Sunshine Coast Airport Expansion Project and any implications for future climate change adaptation are recognised in a regional climate change strategy.</p>	<p>The design of the new runway complies with Council's policy in relation to the flood immunity of significant regional infrastructure.</p>	<p>Compliant</p>
<p>54. Prepare a General Method Statement for the Dredge Pipeline and Pump Out with a description of pump out activities, including methodology for sand delivery pipeline placement and removal.</p>	<p>This was included in the Dredge Management Plan.</p>	<p>Compliant</p>
<p>55. If required by MSQ, development and implement a Vessel Traffic Management Plan to manage closure of nearshore access during pump out operations.</p>	<p>This was included in the Dredge Management Plan.</p>	<p>Compliant</p>
<p>56. Develop contingency plans for stabilisation of dredge pipeline from extreme weather as part of the detailed design process.</p>	<p>This was included in the Dredge Management Plan.</p>	<p>Compliant</p>
<p>57. Conduct assessments of potential impacts to coastal processes and morphology as part of coastal works approvals.</p>	<p>Council undertook a research project into fish assemblages associated with the dredge pipeline in conjunction with the University of the Sunshine Coast. Council also undertook a hydrographic survey of the dredge anchor and transfer location and identified that the sea-bed profile was not altered by the works.</p>	<p>Compliant</p>
<p>58. Conduct detailed pre-construction surveys along pipeline alignment and Maroola Beach to identified potential turtle nesting or shorebird roosting sites.</p>	<p>This was included in the Dredge Management Plan.</p>	<p>Compliant</p>
<p>59. Undertake dredge pipeline construction works on Maroola Beach outside of turtle nesting season (i.e. November to March).</p>	<p>This was included in the Dredge Management Plan. Dredging took place between 11 July 2018 and 23 September 2018.</p>	<p>Compliant</p>

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60. Maintain safe, convenient pedestrian and emergency vehicle access during pipeline construction and sand delivery.	This was included in the Dredge Management Plan	Compliant
61. Remove pipeline following completion of dredging works and fully rehabilitate the natural habitats within the dune and pipeline alignment in accordance with a Rehabilitation Plan.	This was included in the Dredge Management Plan.	Compliant
62. Prepare a General Method Statement for Dredging, including the following: <ul style="list-style-type: none"> • introduction • description of the general scope of works • references to relevant international and company standards • responsibilities • clear map of approved areas for dredging activities • general description of dredging, navigation and pump out activities • specific method statements 	The following were included in the Dredge Management Plan: <ul style="list-style-type: none"> • introduction • description of the general scope of works • references to relevant international and company standards • responsibilities • clear map of approved areas for dredging activities • general description of dredging, navigation and pump out activities • specific method statements 	Compliant
63. Prepare and implement a Dredge Management Plan that contains the following: <ul style="list-style-type: none"> • clearly stated aims and objectives • a description of dredging operation, including (i) type of equipment to be used, volume of dredge material to be removed, duration and timing of the dredging campaign, (ii) methods to be utilised for transporting dredge material, (iii) dredge material pump out and placement methods • maps to scale showing all relevant places (boundaries of dredging operation, estimated or modelled zone of influence of sediment plumes, location of designated disposal sites, sensitive receptors and all monitoring locations) • A description of sediment plume-associated monitoring program including <ul style="list-style-type: none"> (i) sampling regime and methods, (ii) sensitive receptor monitoring sites 	Dredge Management Plan includes the following: <ul style="list-style-type: none"> • clearly stated aims and objectives • a description of dredging operation, including (i) type of equipment to be used, volume of dredge material to be removed, duration and timing of the dredging campaign, (ii) methods to be utilised for transporting dredge material, (iii) dredge material pump out and placement methods • maps to scale showing all relevant places (boundaries of dredging operation, estimated or modelled zone of influence of sediment plumes, location of designated disposal sites, sensitive receptors and all monitoring locations) • A description of sediment plume-associated monitoring program including <ul style="list-style-type: none"> (i) sampling regime and methods, (ii) sensitive receptor monitoring sites • A detailed description of the assessment methodology to provide data in relation to trigger values that will define alert levels 	Compliant

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<ul style="list-style-type: none"> • A detailed description of the assessment methodology to provide data in relation to trigger values that will define alert levels • clearly set out data handling and evaluation procedures that demonstrated how exceedance of alert levels will be determined • management actions to be initiated if alert levels are exceeded • other requirements for managing and monitoring dredging related to the following matters: <ul style="list-style-type: none"> o marine megafauna management o navigation and maritime safety o vessel wastewater management o ballast water and marine pest incursion o vessel solid waste o fuel and oil spills o noise and air quality o cultural heritage. 	<ul style="list-style-type: none"> • clearly set out data handling and evaluation procedures that demonstrated how exceedance of alert levels will be determined • management actions to be initiated if alert levels are exceeded • other requirements for managing and monitoring dredging related to the following matters: <ul style="list-style-type: none"> o marine megafauna management o navigation and maritime safety o vessel wastewater management o ballast water and marine pest incursion o vessel solid waste o fuel and oil spills o noise and air quality o cultural heritage. 	
Additional Conditions Imposed BY DES in EA		
B1 – Significant residual impacts to prescribed environmental matters are not authorised under this environmental authority or the <i>Environmental Offsets Act 2014</i> unless the impact is specified in Table 7.10 Significant Residual Impacts to Prescribed Environmental Matters.	No significant residual impacts to prescribed environmental matters beyond those specified in Table 7.10 occurred.	Compliant
B2 – An environmental offset must be provided for the maximum extent for each of the prescribed environmental matters identified in Table 7.10 Significant Residual Impacts to Prescribed Environmental Matters.	Environmental offsets were provided for the maximum extent for each of the prescribed environmental matters identified in Table 7.10.	Compliant
B3 – Significant residual impacts on prescribed environmental matters are not authorised unless <ul style="list-style-type: none"> (i) The holder (in consultation with the administering authority) prepares a notice of election and an offset delivery plan to address significant residual impacts on prescribed environmental matters listed in Table 7.10. (ii) A notice of election must be prepared in accordance with Division (s 18 (2-5) and s19) 	A notice of election and an offset delivery plan to address significant residual impacts on prescribed environmental matters listed in Table 7.10 were prepared in accordance with Division (s 18 (2-5) and s19) of the <i>Environmental Offsets Act 2014</i> and given to the entity with the jurisdiction for this condition in a form approved under s92 of the <i>Environmental Offsets Act 2014</i> .	Compliant

of the <i>Environmental Offsets Act 2014</i> and given to the entity with the jurisdiction for this condition in a form approved under s92 of the <i>Environmental Offsets Act 2014</i> .		
B4 – The authority holder may start to deliver a proponent driven offset before the authority is granted, but must not pay any amount under a financial settlement offset until after the authority is granted.	No proponent driven offsets were commenced prior to the granting of the authority. The financial offset was only paid after the authority was granted.	Compliant
B5 – The authority holder must have entered into an agreed delivery arrangement with the administering authority before starting any works that impact on the prescribed environmental matters listed in Table 7.10 Significant Residual Impacts to Prescribed Environmental Matters.	An agreed delivery arrangement was entered into with the administering authority before any works that impacted on the prescribed environmental matters listed in Table 7.10 - Significant Residual Impacts to Prescribed Environmental Matters, commenced.	Compliant
B6 – If, after the agreed delivery arrangement is made, the authority holder wishes to change the way a prescribed environmental matter listed in Table 7.10 Significant Residual Impacts to Prescribed Environmental Matters is to be impacted, the authority holder must notify the administering authority and request an amended agreed delivery arrangement.	The agreed delivery arrangement has been amended as required during the course of the delivery of the offsets. The administering authority was notified as required.	Compliant
B7 - Prior to the commencement of the activity , submit a georeferenced plan showing the final location and extent of any proponent-driven offset areas for prescribed environmental matters listed in Table 7.10-Significant Residual Impacts to Prescribed Environmental Matters to palm@des.qld.gov.au	Proponent driven offsets refers to the actual works undertaken in accordance with the Offset Delivery Plan and the Agreed Delivery Arrangement. In this case, they include the frog ponds, the vegetation management in the Wallum Heath Management area and the Vegetation Management Area and the Conservation Corridor linking the northern and southern sections of the National Park. Georeferenced plans showing the locations of these proponent driven offsets was submitted to PALM prior to the work commencing.	Compliant
B8 - Submit final "as constructed plans" showing the georeferenced location and extent of the proponent-driven offsets to palm@des.qld.gov.au	Final As-constructed plans will be submitted when the work has been finalised.	Partially Compliant. As-constructed plans yet to be provided when work is complete.
P1 – A PFAS investigative report must be completed by an appropriately qualified person and submitted to the	A Preliminary Site Investigation Report and a Groundwater and PFAS Modelling Report were prepared in conjunction with the PFAS	Compliant

<p>administering authority at least 40 days prior to commencement of the approved works.</p>	<p>Management Framework and provided to the administering authority within the specified timeframe.</p>	
<p>P2 – The PFAS investigative report must</p> <p>a) Include details of a site investigation to determine the source, cause and extent of PFAS contamination at the airport. The site investigation must:</p> <ul style="list-style-type: none"> (i) Be conducted in accordance with the National Environmental Protection (Assessment of Site Contamination) Measure 1999 (NEPM) and must consider best practice for PFAS investigation and management. (ii) Include an analysis of potentially affected media including soil, sediment, surface water and groundwater sufficient to characterise and delineate the extent of any PFAS contamination on airport land or any groundwater or surface waters that could be affected by any PFAS contamination from the airport. (iii) Identify any potentially impacted environmental values and potential pathways to human or environmental receptors from existing PFAS contamination, not limited to the site. (iv) Provide an assessment of the risk of environmental harm to human or environmental receptors. <p>b) Provide an assessment of any potential impact the approved works will have on environmental values as a result of PFAS including, but not limited to:</p> <ul style="list-style-type: none"> (i) Information on how activities associated with the approved works may affect existing PFAS contamination; (ii) A description of the environmental values that are likely to be affected; 	<p>The PFAS investigative report:</p> <p>a) Included details of the site investigation to determine the source, cause and extent of PFAS contamination. The report:</p> <ul style="list-style-type: none"> 1. Was conducted in accordance with the NEPM 1999 2. Included analysis of potentially affected environmental media 3. Identified potentially impacted environmental values and potential pathways to human or environmental receptors 4. Provided an assessment of the risk of environmental harm to human or environmental receptors. <p>b) Provide an assessment of any potential impact the approved works may have on environmental values as a result of PFAS including, but not limited to:</p> <ul style="list-style-type: none"> (i) Information on how activities associated with the approved works may affect existing PFAS contamination; (ii) A description of the environmental values that are likely to be affected; (iii) A description of the risk and likely degree of impact on the environmental values; (iv) A recommendation of whether the approved works should proceed; (v) If the recommendation is to proceed, details of the management practices to be implemented to prevent or minimise adverse impacts from the on-site disturbance of PFAS contaminated soil or water on environmental values, including, but not limited to monitoring of: <ul style="list-style-type: none"> 1. Groundwater as outlined in Condition P3, and 2. Surface water as outlined in Condition P4. 	<p>Compliant</p>

<ul style="list-style-type: none"> (iii) A description of the risk and likely degree of impact on the environmental values; (iv) A recommendation of whether the approved works should proceed; (v) If the recommendation is to proceed, details of the management practices to be implemented to prevent or minimise adverse impacts from the on-site disturbance of PFAS contaminated soil or water on environmental values, including, but not limited to monitoring of: <ol style="list-style-type: none"> 1. Groundwater as outlined in Condition P3, and 2. Surface water as outlined in Condition P4. 		
<p>P3 - If recommended as part of Condition P2, a PFAS groundwater monitoring system that complies with the following requirements must be implemented:</p> <ul style="list-style-type: none"> a) Be designed and installed by an appropriately qualified person(s) with experience and qualifications in hydrology and groundwater monitoring. b) Include a sufficient number of bores installed at locations and depths which yield representative groundwater samples from at least the uppermost aquifer so as to detect any changes in the extent of PFAS in groundwater from the site and in adjacent areas as a result of the approved works. <p>Include monitoring of background groundwater quality, with both hydraulically up-gradient bore(s) or background bore(s) that have not been <i>affected</i> by any release of contaminants to groundwater from the activity and hydraulically down gradient bore(s) of the activity.</p>	<p>Following the decision to proceed, a PFAS groundwater monitoring system was implemented. This system was designed and installed by an appropriately qualified person.</p> <p>Groundwater bores were installed that were both hydraulically up-gradient that had not been <i>affected</i> by any release of contaminants to groundwater from the activity and hydraulically down gradient of the activity.</p>	<p>Compliant</p>

<p>P5 - If recommended as part of Condition P2, a PFAS surface water monitoring program that complies with the following requirements must be implemented:</p> <ul style="list-style-type: none"> a) be designed and implemented by an appropriately qualified person(s); b) monitor the effects of the activity on the quality of surface water in relation to PFAS; c) include a sufficient number of locations so as to detect any changes in the extent of PFAS in surface water from the site. 	<p>A surface water monitoring program was also initiated. The program:</p> <ul style="list-style-type: none"> • Was designed and implemented by an appropriately qualified person. • Included sufficient monitoring locations so as to detect any changes in the extent of PFAS • Monitored the effects of the activity on the quality of surface water in relation to PFAS. 	<p>Compliant</p>				
<p>Additional Conditions Imposed BY DES in Amended EA</p>						
<p>WT14 - Dredge spoil can only be rehandled to outside of the containment area in accordance with the following.</p> <ul style="list-style-type: none"> (a) the spoil must not exceed the EC_{1:5} limit in Table 7.6-Dredge Spoil Rehandling Limits as determined in accordance with WT15; or (b) as otherwise agreed with the administering authority. <p>Table 7.6-Dredge Spoil Rehandling Limits</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">EC_{1:5} Limit</th> <th style="text-align: left;">Units</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">750</td> <td style="text-align: center;">µS/cm</td> </tr> </tbody> </table>	EC _{1:5} Limit	Units	750	µS/cm	<p>Testing was undertaken in accordance with the requirements of WT15. All tests returned results in the range 50 to 250 µS/cm which was well below the limit of 750 µS/cm. Spoil was rehandled in compliance with these conditions.</p>	<p>Compliant</p>
EC _{1:5} Limit	Units					
750	µS/cm					
<p>WT15 - Verification testing of dredge spoil salinity must be undertaken prior to rehandling to outside of the containment area and must meet the following criteria unless otherwise agreed with the administering authority</p> <ul style="list-style-type: none"> • the EC_{1:s} limit is a maximum of each sample of the volume to be rehandled • testing must be based on a 1:5 solution field test adjusted to 25°C. 	<p>All dredge spoil testing was undertaken in compliance with the requirements detailed under this condition.</p>	<p>Compliant</p>				

<ul style="list-style-type: none"> • samples for testing must be selected in a gridded pattern and at a density of no less than 1 test per 2500 m3. • one sample per 50,000m3 of contained dredge spoil is submitted to NATA accredited laboratory for confirmation analysis to validate the field measurements. • one sample per 50,000m3 of placed dredge spoil must be validated in-situ against the criteria in WT14 to validate the field measurements. • field testing equipment must be calibrated in accordance with the manufacturer's specifications. • field sampling must incorporate a quality control component of 1 duplicate sample per 20 primary samples. • results for all sampling and records of calibrations must be recorded in accordance with G5. • sampling and field analysis is in accordance with the administering agency's current Monitoring and Sampling Manual. • Sampling regime may be modified to reduce the sampling frequency if agreed by the administering authority. 		
<p>WT16 - A report on the results of verification testing of dredge spoil required under WT14 and WT15 must be submitted to the administering authority within four weeks of the commencement of dredgespoil rehandling.</p>	<p>A report on the results of the first three weeks of the verification testing was prepared and submitted to the administering authority.</p>	<p>Compliant</p>
<p>WT17 - Dredge spoil washing water must be potable water.</p>	<p>Only potable water drawn from the UnityWater main was used to wash dredge spoil prior to rehandling.</p>	<p>Compliant</p>
<p>New GW6 inserted and previous GW6 renumbered and amended slightly to GW8- An appropriately qualified person(s) must develop and implement a groundwater electrical conductivity (EC) plume-associated monitoring program that:</p> <ol style="list-style-type: none"> 1. provides surveillance data on groundwater 	<p>An appropriately qualified person developed and implemented a groundwater electrical conductivity (EC) plume-associated monitoring program that:</p> <ol style="list-style-type: none"> 1: provided surveillance data on groundwater quality values adjacent to the runway; and 	<p>Compliant and monitoring is continuing.</p>

<p>quality values adjacent to the runway; and</p> <p>2. alerts if groundwater EC quality indicators in condition GW5, Table 7.9 are exceeded.</p> <p>Associated monitoring requirements:</p> <p>(a) Monitoring bores must be:</p> <ul style="list-style-type: none"> i. Installed appropriately to assess both the shallow (alluvial) and deeper (coffee rock) aquifers e.g. nested ii. logged and records of logs kept iii. bore top casings surveyed to 0.01m Australian Height Datum iv. located between the limit of fill and the Mt Coolum National Park to the north and south of the runway and: v. installed in compliance with relevant Australian standards <p>(b) Monitoring must be in accordance with the latest edition of:</p> <ul style="list-style-type: none"> i. AS 5667.11 Water quality-sampling ii. the administering authority's <i>Monitoring and Sampling Manual</i>. <p>(c) Monitoring will be required at a minimum of weekly or as agreed with the administering authority.</p> <p>(d) Monitoring of groundwater EC for the groundwater EC plume-associated monitoring program will be required on an ongoing basis or as agreed with the administering authority.</p>	<p>2: alerted if groundwater EC quality indicators in condition GW5, Table 7.9 were exceeded.</p> <p>Results of any exceedances were reported to the administering authority.</p> <p>Monitoring is continuing.</p>	
<p>New GW7 - A copy of the groundwater electrical conductivity (EC) plume-associated monitoring plan must be submitted to the administering authority prior to the commencement of the dredge spoil rehandling and, if necessary, amended in accordance with any comments made by the administering authority.</p>	<p>The groundwater electrical conductivity plume associated monitoring plan was submitted to the administering authority prior to the commencement of the dredge spoil rehandling and no amendments were required by the administering authority.</p>	<p>Compliant</p>

<p>GW8 (Previous GW6 amended) - A permanent soil bentonite cut off wall, extending from the ground surface down to the confining coffee rock layer must be installed and maintained as shown in Figure 7 - Revised HDPE Liner Area and Control Structures on Drains. The cut off wall and drain must operate to prevent:</p> <ul style="list-style-type: none"> (a) lowering of the water table on the Mt Coolum National Park side of the cut off wall distant from the drain; and (b) oxidation of potential acid sulfate soils; and (c) ingress of contaminants to ground water beyond the wall. 	<p>A permanent soil bentonite cut off wall was installed extending from the ground surface down to the confining coffee rock layer as shown in Figure 7 - Revised HDPE Liner Area and Control Structures on Drains.</p> <p>The cut off wall and drain prevents:</p> <ul style="list-style-type: none"> a) lowering of the water table on the Mt Coolum National Park side of the cut off wall distant from the drain; and b) oxidation of potential acid sulfate soils; and c) ingress of contaminants to ground water beyond the wall. 	<p>Compliant</p>
<p>GW9 - A permanent soil bentonite cut off wall, extending from the ground surface down to the confining coffee rock layer must be installed for the remaining length of the northern side of the runway:</p> <ul style="list-style-type: none"> • if groundwater electrical conductivity measured in accordance with condition GW6 exceeds the calculated 80th percentile of background EC for 3 consecutive samples at either intercept bores EW1, EW2 or adjacent bores GW3, GW9, GW1 as shown in Figure 9; and • within three weeks or as agreed with the 	<p>Groundwater EC in intercept bore EW1 has exceeded the 80th percentile of background for three consecutive samples on numerous occasions.</p> <p>Following the initial exceedances, several actions were taken as follows:</p> <ul style="list-style-type: none"> • A temporary tidal flap was installed in temporary access culverts in the northern perimeter drain to prevent tidal inundation of the drain from the Maroola Drain, • The northern perimeter drain was flushed with 100,000 litres of fresh water, • Additional intercept bores were installed in the vicinity of EW1, both closer to the works and closer to the National Park, and • A permanent tidal flap was installed in the permanent fauna crossing culvert in the northern perimeter drain. 	<p>This matter is still be addressed with the administering authority. Initial feedback is that the bore EW1 has intercepted an underground anomaly and that the EC exceedances do not indicate impact from the runway works.</p>

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<p>administering authority.</p> <p>Note: "Background" means the corresponding background water quality for the site being tested. Background values are calculated from the full background monitoring program results obtained prior to any disturbance of the site. For example, 80th percentile of background means the 80th percentile value of the background data. Background for the intercept bores EW1 and EW2, for the first 12 months, may be based on background results from bores GW3, GW9, GW1.</p>	<p>The additional intercept bores did not display the same elevation of EC as EW1. Three of the four did not exceed the 80th percentile of background.</p> <p>The EC levels in the other intercept bore EW2 and the original bores GW3, GW9 and GW1 have been compliant.</p>	
<p>GW10 - Decommissioning of the bunding, HDPE lining system and seepage management system following cessation of dredge spoil placement is contingent on compliance with the following environmental outcomes:</p> <ol style="list-style-type: none"> compliance with ground water quality salinity limits (refer Table 7.8 Groundwater Quality and Elevation Limits) in high conservation areas; and compliance with surface water quality limits for salinity and electrical conductivity (refer Table 7.5 Surface Water Quality Limits) in non-tidal sections of airport drains affecting high conservation areas. <p>Notes: High conservation areas relevant to this condition include: Mount Coolum National Park, Coolum Creek and Lower Maroochy River Wetlands, acid frog and Mount Coolum She Oak habitat, any area set aside for biodiversity offset and the corridor between the Mt Coolum National Park north and south sections. An area is not contiguous with a drain if an impermeable structure precludes seepage from entering that area.</p>	<p>Decommissioning of the bunding and the HDPE lining system in the polishing pond was only undertaken after a report was submitted to the administering authority detailing compliance with</p> <ul style="list-style-type: none"> groundwater quality salinity limits (refer Table 7.8 Groundwater Quality and Elevation Limits) in high conservation areas, and surface water quality limits for salinity and electrical conductivity (refer Table 7.5 Surface Water Quality Limits) in non-tidal sections of airport drains affecting high conservation areas. 	Compliant
<p>P6 - Prior to excavation of sediments and soils for the approved works, carry out sediment and soil testing for PFAS.</p> <p>Associated requirements:</p> <ol style="list-style-type: none"> Sampling should be conducted in reference to NEMP, NEPM and other applicable standards and guidelines. Analysis should be to an appropriate Limit of 	<p>Prior to excavation at all locations on site, sampling and testing for PFAS in sediments and soils was undertaken to the required LOR, including TOPA testing.</p> <p>This was undertaken in accordance with the Soil Management Plan.</p>	Compliant

<p>Reporting that allows comparison to applicable criteria.</p> <p>c) Analysis should incorporate Total Oxidizable Precursor Assay (TOPA).</p> <p>Note: It is acceptable to analyse a subset of samples for TOPA.</p>		
<p>P7 - Based on the sampling results, develop and implement management measures for disposal or reuse of soil and groundwater that minimises migration of PFAS impacted materials and ensures no additional PFAS contamination beyond the airport site.</p> <p>Note: Management measures should include:</p> <p>(a) Tracking and reporting of all soil movement.</p> <p>(b) Notification to the administering authority where contamination is found on an allotment that is not currently listed on the administering authority's Environmental Management Register. This also relates to allotments that become contaminated through the activity.</p> <p>(c) Ensuring that movement of contaminated soil from an allotment that is listed on the Environmental Management Register to another place is carried out under an appropriate soil disposal permit.</p>	<p>Both a Soil Management Plan and a Water Management Plan were developed and implemented for all soil and water movements on the site.</p> <p>The reuse of both soil and reclaimed construction waste on site was managed in accordance with the management plans.</p> <p>The reuse locations were designed by a suitable qualified person and management measures were implemented to minimise migration of PFAS impacted materials.</p> <p>All soil movement on site was tracked and recorded.</p> <p>The administering authority was notified where contamination of surface water and soils were identified on lots that were not listed on the EMR. Council is waiting on advice as to the listing of additional lots found to contain PFAS.</p> <p>No soils were transported from listed to unlisted lots on the site.</p> <p>Contaminated soil that was transported off site was undertaken under a soil disposal permit.</p> <p>A full Environmental Site Audit detailing site conditions in relation to PFAS contamination prior to and following completion of the runway construction has been prepared. A Compliance Report assessing compliance with all PFAS conditions of the EA BRID0035 is currently under preparation. Once completed, that report will be reviewed by a certified Contaminated Land Auditor who will prepare a report for the administering authority.</p>	<p>Work undertaken is believed compliant. A final report from the CLA will address this matter in detail.</p>

Minister for the Environment Conditions Related to Matters of National Significance		
<i>Allocasuarina emuina</i> - Mount Emu She-oak		
1. Disturbance to <i>Allocasuarina emuina</i> is only permitted for the purpose of translocating <i>Allocasuarina emuina</i> . Disturbance to <i>Allocasuarina emuina</i> must not occur outside the population area impact and must not exceed 4.41 hectares.	Areas outside the population area impact were fenced off and no disturbance occurred beyond the approved area. An area of just less than 4 ha was disturbed and translocated.	Compliant
2. Prior to disturbance to <i>Allocasuarina emuina</i> , the approval holder must ensure a baseline survey of the condition and extent of <i>Allocasuarina emuina</i> within the known population area (excluding the population area impact) is undertaken by a suitably qualified person.	A baseline survey was conducted in the known population area and extent and condition were assessed by a suitably qualified person.	Compliant
3. For the life of the approval, the approval holder must ensure no net loss in the condition and extent of <i>Allocasuarina emuina</i> within the known population area (excluding the population area impact) compared to the baseline condition and extent (Outcome 1).	Any losses incurred in the translocated population have been replaced by planting of new tube-stock grown from seeds harvested prior to the disturbance.	Compliant
4. Prior to disturbance to <i>Allocasuarina emuina</i> , the approval holder must ensure a baseline survey of the count, condition and extent of <i>Allocasuarina emuina</i> within the population area impact is undertaken by a suitably qualified person.	A baseline survey was conducted and the individual plants in the population area impact were counted and their condition assessed by a suitably qualified person.	Compliant
5. Within five years after the commencement of translocation and then on for the life of the approval, the approval holder must ensure no net loss in the condition and extent of <i>Allocasuarina emuina</i> translocated from the population area impact compared to the baseline condition and extent (Outcome 2).	A survey will be conducted in 2023, five years after the translocation commenced. At present, 2.6 times the original population in the population impact area have been planted and monitored.	Survey to be undertaken 5 years after translocation.

<p>6. Within 20 years after the commencement of translocation and then on for the life of the approval, the approval holder must ensure a minimum 2.6 times increase in the count of <i>Allocasuarina emuina</i> translocated from the population area impact compared to the baseline count (Outcome 3).</p>	<p>A survey will be conducted in 2038, twenty years after the translocation commenced. At present, 2.6 times the original population in the population impact area have been planted and monitored.</p>	<p>Survey to be undertaken 20 years after translocation.</p>
<p>7. Within 20 business days after the commencement of translocation, the approval holder must advise the Department in writing of the actual date of commencement of translocation.</p>	<p>The Department was advised on 17 January 2018 of the commencement of the translocation on 15 January 2018.</p>	<p>Compliant</p>
<p>8. Prior to disturbance to <i>Allocasuarina emuina</i>, the approval holder must have a management plan for <i>Allocasuarina emuina</i> in place. The management plan must:</p> <ul style="list-style-type: none"> i. be designed so that the results are adequate to inform adaptive management and demonstrate whether <i>Outcome 1</i>, <i>Outcome 2</i> and <i>Outcome 3</i> are on track to be achieved (before they are due) and have been achieved (at the time they are due) ii. include contingency measures to mitigate the risks of not achieving <i>Outcome 1</i>, <i>Outcome 2</i> or <i>Outcome 3</i> iii. include written evidence of input and review from a suitably qualified person iv. take account of the <i>Allocasuarina emuina</i> recovery plan. 	<p>A compliant Management Plan was prepared by a suitably qualified person prior to the commencement of the translocation disturbance. It was submitted to DoE on 17 January 2018. The Impact Management Plan took into account the <i>Allocasuarina emuina</i> recovery plan and included contingency measures and written evidence of input and review by a suitably qualified person.</p>	<p>Compliant</p>
<p>9. The management plan for <i>Allocasuarina emuina</i> must be implemented. The approval holder must publish the management plan on their website prior to the commencement of translocation and the</p>	<p>The Management Plan was implemented and was published on Council's website. It remains on Council's website.</p>	<p>Compliant</p>

<p>management plan (or any subsequent revised versions) must remain on the website for the life of the approval. The results of the management plan must be included in the annual compliance report provided to the Department.</p>		
<p>10. If, at any time during the life of the approval, the approval holder identifies that the outcomes (Outcome 1, Outcome 2 or Outcome 3) are not on track to be achieved, the approval holder must report to the Department in writing within 20 business days of becoming aware. The report must state the cause, the response measures (including timeframes for reporting the success of those measures to the Department) and the actions to prevent further occurrences.</p>	<p>When it was discovered that the loss of individually translocated plants threatened the ability to achieve Outcome 2, an addendum to the Management Plan was prepared and submitted to the Department. The Department approved the approach outlined in the addendum.</p>	<p>Complaint</p>
<p>11. If the Minister is not satisfied that the outcomes (Outcome 1, Outcome 2 or Outcome 3) are likely to be achieved, or is not satisfied there is sufficient evidence that the outcomes (Outcome 1, Outcome 2 or Outcome 3) are likely to be achieved (on the basis of information provided in compliance reporting and or audits under these conditions of approval), the Minister may (in writing) request the approval holder to submit a plan for the Minister's approval, to monitor, manage, avoid, mitigate, offset, record or report on, impacts to <i>Allocasuarina emuina</i>.</p> <p>i. The Minister may set a timeframe in which the plan must be submitted, and may designate that the plan must be prepared or reviewed by a suitably qualified person (or another specified</p>	<p>The Minister has not requested any amendments to the plans submitted.</p>	<p>Compliant</p>

<p>person).</p> <p>ii. If the Minister approves the plan in writing then the approval holder must implement that plan (or a revised version if approved in writing by the Minister).</p>		
<i>Litoria olongburensis</i> – Wallum Sedgefrog		
<p>12. The approval holder must ensure no more than 1.67 hectares of breeding habitat for <i>Litoria olongburensis</i> is cleared as a result of the action.</p>	<p>No more breeding habitat beyond the 1.67 ha identified was cleared or disturbed during the works.</p>	<p>Compliant</p>
<p>13. The approval holder must offset the impact of clearing up to 1.67 hectares of breeding habitat for <i>Litoria olongburensis</i>. The offset's must be in accordance with the EPBC Act Environmental Offsets Policy and consistent with the Biodiversity Offset Strategy.</p>	<p>An offset for the 1.67 ha of breeding habitat that was cleared has been provided in the Vegetation Management Area to the north of the project in accordance with the EPBC Act Environmental Offsets Policy and consistent with the Biodiversity Offset Strategy.</p>	<p>Compliant</p>
<p>14. The approval holder must prepare and submit an offset management plan for <i>Litoria olongburensis</i> for the Minister's approval. Clearance of breeding habitat for <i>Litoria olongburensis</i> must not occur until the offset management plan is approved in writing by the Minister. If the Minister approves the offset management plan then the approved offset management plan must be implemented.</p>	<p>An Offset Management Plan was prepared and submitted for the Minister's approval. Subsequent work was undertaken in accordance with the approved Offset Management Plan.</p>	<p>Compliant</p>
<p>15. The offset management plan for <i>Litoria olongburensis</i> must include, but is not limited to:</p> <ul style="list-style-type: none"> a. the proposed legal mechanism and timelines for securing the offset area/s b. details of the minimum offset area/s proposed to compensate for clearing breeding habitat for <i>Litoria olongburensis</i> c. evidence that the offset's are in accordance with the EPBC Act Environmental Offsets Policy 	<p>The approved Offset Management Plan included all of the requirements outlined in this condition.</p>	<p>Compliant</p>

<p>including a populated copy of the EPBC Act offsets assessment guide with detailed justification for each input</p> <ul style="list-style-type: none"> d. information about how the offset area/s provide connectivity with other relevant habitats and biodiversity corridors e. a textual description and a map to clearly define the location and boundaries of the offset area/s accompanied by the offset attributes f. a description of the management measures (including timing, frequency and longevity) that will be implemented on the offset area/s for the protection and management of habitat for <i>Litoria olongburensis</i>, including details of how the management measures proposed take account of the <i>Litoria olongburensis</i> recovery plan and the <i>Litoria olongburensis</i> threat abatement plan g. performance and completion criteria for evaluating the management of the offset area/s and criteria for triggering remedial action (if necessary) h. a program, including timelines to monitor and report on the effectiveness of the management measures, and progress against the performance and completion criteria i. a description of potential risks to the successful implementation of the offsets, a description of the contingency measures that would be implemented to mitigate against these risks and residual risk ratings. 		
<p>16. The results of the offset management plan for <i>Litoria olongburensis</i> must be included in the annual compliance report provided to the Department.</p>	<p>The results of the implementation of the Offset Management Plan have been included in each annual compliance report to date.</p>	<p>Compliant</p>

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<p>17. Within 20 business days after the commencement of construction, the approval holder must advise the Department in writing of the actual date of commencement of construction.</p>	<p>The Department was advised within the required notice period of the commencement of construction of the works.</p>	<p>Compliant</p>
<p>18. The approval holder must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the management plans required by this approval, and make them available upon request to the Department. Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the Department's website. The results of audits may also be made public through the general media.</p>	<p>Accurate records have been maintained and have been stored in Council's records management system EDDIE.</p>	<p>Compliant</p>
<p>19. Within 60 business days of every 12 month anniversary of the commencement of construction, the approval holder must publish a compliance report on their website addressing compliance with each of the conditions of this approval, including implementation of any management plans as specified in the conditions. Documentary evidence providing proof of the date of publication and non-compliance with any of the conditions of this approval must be provided to the Department at the same time as the compliance report is published. The compliance reports must remain on the approval holder's website for the life of the approval. The Minister may provide written consent to cease reporting under this condition if satisfied that the action is complete and there are no further outstanding requirements.</p>	<p>The annual compliance report has been posted on Council's website within 60 days of every 12 month anniversary of the commencement of construction, with evidence of the date of publication provided to the Department.</p>	<p>Compliant</p>

<p>20. Upon the direction of the Minister, the approval holder must ensure that an independent audit of compliance with the conditions of approval is conducted and a report submitted to the Minister. The independent auditor must be approved by the Minister prior to the commencement of the audit. Audit criteria must be agreed to by the Minister and the audit report must address the criteria to the satisfaction of the Minister.</p>	<p>The Minister has not directed that an independent audit of compliance with the conditions of approval be conducted and a report submitted.</p>	<p>Compliant</p>
<p>21. The approval holder may choose to revise a management plan approved by the Minister under Condition 14 without submitting it for approval under section 143A of the EPBC Act, if the taking of the action in accordance with the revised management plan would not be likely to have a new or increased impact. If the approval holder makes this choice they must:</p> <ul style="list-style-type: none"> i. notify the Department in writing that the approved management plan has been revised and provide the Department with an electronic copy of the revised management plan; and ii. implement the revised management plan from the date that the management plan is submitted to the Department; and iii. for the life of this approval, maintain a record of the reasons the approval holder considers that taking the action in accordance with the revised management plan would not be likely to have a new or increased impact. 	<p>Council has not chosen to make a change without submitting it to the Minister through the Department. The Offset Management Plan for the <i>Allocasuarina emuina</i> was amended by way of an addendum. The amendment was submitted to the Department for approval. The Department advised that they had no objection to the amendment.</p>	<p>Compliant</p>
<p>21. A. The approval holder may revoke their choice under Condition 21 at any time by notice to the Department. If the approval holder revokes the</p>	<p>Council has not chosen to make a change without submitting it to the Minister through the Department.</p>	<p>Compliant</p>

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<p>choice to implement a revised management plan, without approval under section 143A of the EPBC Act, the management plan approved by the Minister must be implemented.</p>		
<p>21. B. Condition 21 does not apply if the revisions to the approved management plan include changes to environmental offsets provided under the management plan in relation to a matter protected by a controlling provision for the action, unless otherwise agreed in writing by the Minister. This does not otherwise limit the circumstances in which the taking of the action in accordance with a revised management plan would, or would not, be likely to have a new or increased impact.</p>	<p>The amendments to the approved plan did not include changes to environmental offsets provided under the management plan.</p>	<p>Compliant</p>
<p>21. C. If the Minister gives a notice to the approval holder that the Minister is satisfied that the taking of the action in accordance with the revised management plan would be likely to have a new or increased impact, then:</p> <ul style="list-style-type: none"> i. Condition 21 does not apply, or ceases to apply, in relation to the revised management plan; and ii. the approval holder must implement the management plan approved by the Minister. <p>To avoid any doubt, this condition does not affect any operation of Condition 21, Condition 21A and Condition 21Bin the period before the day the notice is given.</p> <p>At the time of giving the notice the Minister may also notify that for a specified period of time that Condition 21 does not apply for one or more specified management plans required under the approval.</p>	<p>The Minister has not given notice to Council that he is satisfied that the taking of the action in accordance with the revised management plan would be likely to have a new or increased impact.</p>	<p>Compliant</p>

<p>21. D. Condition 21, Condition 21A, Condition 21B and Condition 21C are not intended to limit the operation of section 143A of the EPBC Act which allows the approval holder to submit a revised management plan to the Minister for approval.</p>	<p>A revised Offset Management Plan has been submitted in accordance with the EPBCA.</p>	<p>Compliant</p>
<p>22. If, at any time after five years from the date of this approval, the approval holder has not substantially commenced the action, then the approval holder must not substantially commence the action without the written agreement of the Minister.</p>	<p>The action contemplated in this approval has commenced within the nominated timeframe.</p>	<p>Compliant</p>
<p>23. Unless otherwise agreed to in writing by the Minister, the approval holder must publish all management plans referred to in these conditions of approval on their website. Each management plan must be published on the website within 20 business days of being approved by the Minister or being submitted under Condition 21i.</p>	<p>All Management Plans developed in accordance with these conditions have been published on Council's website within the required timeframe.</p>	<p>Compliant</p>